

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Douglas W. Domenech Secretary of Natural Resources VALLEY REGIONAL OFFICE
4411 Early Road, P.O. Box 3000, Harrisonburg, Virginia 22801
(540) 574-7800 Fax (540) 574-7878
www.deq.virginia.gov

David K. Paylor Director

Amy Thatcher Owens Regional Director

February 24, 2012

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Dennis Dickison, Engineering Manager Mohawk Industries, Inc. 404 Anderson Street Glasgow, Virginia 24555

Re:

Change of Facility Name, VPDES Permit Nos. VA0004677 and VAN040067

Mohawk Industries, Inc.

Dear Mr. Dickison:

The enclosed permits have been approved. These permit actions involved modifying the permits listed above to reflect a change in the name of the facility from Lees Carpets to Mohawk Industries, Inc. The Discharge Monitoring Reports (DMRs) have been updated to reflect the new facility name. In addition, the DMR for Outfall 001 in VPDES Permit No. VA0004677 has been updated to include the final limit for E. coli. In accordance with the permit, you are required to submit DMRs by the tenth of each month to:

Virginia Department of Environmental Quality Valley Regional Office P.O. Box 3000 Harrisonburg, Virginia 22801

The updated DMRs are included with the permit. You will be responsible for obtaining additional copies of the DMRs. The first DMRs for the month ending February 29, 2012 are due by **March 10, 2012**. Please refer to Guidance Memo 06-2016, available from the following web site, for instructions on completing your DMR: http://www.deq.virginia.gov/waterguidance/permits.html.

DEQ has launched an e-DMR program that allows you to submit the effluent data electronically. If you are interested in participating in this program please visit the following website for details: http://www.deq.virginia.gov/water/edmrfaq.html.

Permit Nos. VA0004677 and VAN040067 Mohawk Industries, Inc. Page 2

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service (the date you actually received this decision or the date it was mailed to you, whichever occurred first) within which to appeal this decision by filing a notice of appeal in accordance with the Rules of the Supreme Court of Virginia with the Director, Department of Environmental Quality. In the event that this decision is served on you by mail, three days are added to that period.

Alternatively, any owner under §§ 62.1 - 44.16, 62.1 - 44.17, and 62.1 - 44.19 of the State Water Control Law aggrieved by any action of the State Water Control Board taken without a formal hearing, or by inaction of the Board, may demand in writing a formal hearing of such owner's grievance, provided a petition requesting such hearing is filed with the Board. Said petition must meet the requirements set forth in §1.23(b) of the Board's Procedural Rule No. 1. In cases involving actions of the Board, such petition must be filed within thirty days after notice of such action is mailed to such owner by certified mail.

If you have questions, please do not hesitate to contact Brandon Kiracofe at (540) 574-7892 or brandon.kiracofe@deq.virginia.gov.

Sincerely,

B. Keith Fowler

Deputy Regional Director

Enclosure:

Permits No. VA0004677 and VAN040067

cc:

EPA, Region III – 3WP12 (electronic) Allan Brockenbrough – DEQ, OWPCA L. Ferguson-Davie – DEQ, VRO FileNet – VA0004677, VAN040067

MEMORANDUM

DEPARTMENT OF ENVIRONMENTAL QUALITY

VALLEY REGIONAL OFFICE

4411 Early Road - P.O. Box 3000

Harrisonburg, VA 22801

SUBJECT:

Modification of VPDES Permit Nos. VA0004677 and VAN040067

Mohawk Industries, Inc.

TO:

Deputy Regional Director

FROM:

Regional Water Permits Manager Bruch O. Kiff

DATE:

February 24, 2012

COPIES:

FileNet - VA0004677, VAN040067

Other Agency Comments:

No other agency comments were received.

Public Notice Comments:

Minor Modification. No public notice required

Staff Comments:

Part I.B.2. of VPDES Permit No. VA0004677 required compliance with final effluent limits for E. coli at Outfall 001 by February 1, 2012. The DMR for Outfall 001 has been updated to include the final limit for E. coli. In addition, the facility name was changed in all appropriate locations of the permits and DMRs. No other

changes were made.



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Permit No. VA0004677

Effective Date: March 1, 2010

Modification Date:

February 24, 2012

Expiration Date:

February 28, 2015

AUTHORIZATION TO DISCHARGE UNDER THE

VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM

AND

THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act as amended and pursuant to the State Water Control Law and regulations adopted pursuant thereto, the following owner is authorized to discharge in accordance with the information submitted with the permit application, and with this permit cover page, Part I -Effluent Limitations and Monitoring Requirements, and Part II – Conditions Applicable To All VPDES Permits, as set forth herein.

Owner:

Mohawk Industries, Inc.

Facility Name:

Mohawk Industries, Inc.

County:

Rockbridge

Facility Location:

404 Anderson Street, Glasgow

The owner is authorized to discharge to the following receiving stream:

Stream:

Maury River

River Basin:

James (Upper)

River Subbasin:

N/A

Section:

12

Class:

IV

Special Standards:

pΗ

Amy T. Owens, Regional Director

Valley Regional Office

Date

Mohawk Industries Inc 404 Anderson St NAME ADDRESS

Glasgow

ΛA FACILITY LOCATION 404 Anderson St

24555

COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES) DISCHARGE MONITORING REPORT(DMR)

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VA0004677	PERMIT NUMBER		МО	
VA	PER		YEAR	

FROM

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE) Valley Regional Office

02/13/2012

Industrial Major

VA 22801 4411 Early Road P.O. Box 3000 Harrisonburg NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

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Mohawk Industries Inc NAME Mohawk Industrated ADDRESS 404 Anderson St

FACILITY LOCATION 404 Anderson St Glasgow

24555 ΚA

COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

DISCHARGE NUMBER DAY YEAR MO MONITORING PERIOD 001 10 DAY PERMIT NUMBER VA0004677 8 YEAR

FROM

02/13/2012 Industrial Major

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

Valley Regional Office 4411 Early Road

P.O. Box 3000 Harrisonburg

VA 22801

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTI	QUANTITY OR LOADING)	QUALITY OR CONCENTRATION	CENTRATION		N O	FREQUENCY	SAMPLE
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٧A Mohawk Industries Inc NAME Mohawk Induscial ADDRESS 404 Anderson St

FACILITY LOCATION 404 Anderson St Glasgow

24555

COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES) DISCHARGE MONITORING REPORT(DMR)

DISCHARGE NUMBER DΑΥ YEAR MO MONITORING PERIOD 007 2 DAY PERMIT NUMBER VA0004677 QW MO YEAR

FROM

02/13/2012 Industrial Major

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL ÓFFICE)

VA 22801 Valley Regional Office 4411 Early Road P.O. Box 3000 Harrisonburg NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

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Mohawk Industries Inc NAME Mohawk industrated ADDRESS 404 Anderson St

Glasgow

FACILITY LOCATION 404 Anderson St

24555

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

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DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

02/13/2012

Industrial Major

Valley Regional Office

4411 Early Road P.O. Box 3000

Harrisonburg

VA 22801

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PARAMETER		QUANTII	QUANTITY OR LOADING)	QUALITY OR CONCENTRATION	JCENTRATION		NO.	FREQUENCY SAMPLE	SAMPLE
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OVERFLOWS									
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Z, Mohawk Industries Inc NAME Mohawk Illuusiii. ADDRESS 404 Anderson St

FACILITY LOCATION 404 Anderson St Glasgow

24555

COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

DISCHARGE NUMBER DΑΥ YEAR MO MONITORING PERIOD 104 2 DAY PERMIT NUMBER VA0004677 Ş YEAR

FROM

Valley Regional Office 4411 Early Road

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

02/13/2012

Industrial Major

P.O. Box 3000 Harrisonburg

VA 22801

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

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PARAMETER		QUANTII	QUANTITY OR LOADING		G	QUALITY OR CONCENTRATION	NCENTRATION		Š.	FREQUENCY SAMPLE	SAMPLE
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ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS Submit Daily Logs with DMRs

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OVERFLOWS									
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Mohawk Industries Inc NAME Mohawk Industrated ADDRESS 404 Anderson St

FACILITY LOCATION 404 Anderson St Glasgow

24555 VA

COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES) DISCHARGE MONITORING REPORT(DMR)

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FROM

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

02/13/2012

Industrial Major

Valley Regional Office 4411 Early Road

P.O. Box 3000 Harrisonburg

VA 22801

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER	The same of the sa	QUANTII	QUANTITY OR LOADING		0 .	QUALITY OR CONCENTRATION	NCENTRATION		NO.	FREQUENCY SAMPLE	SAMPLE
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BYPASSES AND	TOTAL OCCURRENCES	TOTAL FLOW(M.G.) TOTAL BOD5(K.G.)	TOTAL BOD5(K.G.)	OPERAT	OPERATOR IN RESPONSIBLE CHARGE			DATE	
OVERFLOWS									
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report or failure to report truthfully can result in civil penalties of \$32,500 per violation, per day and felony prosecutions which can carry a 15 This report is required by your VPDES permit and by law. (See, e.g., the Code of Virginia of 1950 §62.1-44.5 and 9 VAC 25-31-50.) Failure to

DISCHARGE MONITORING REPORT (DMR) - GENERAL INSTRUCTIONS

- Complete this form in permanent ink or indelible pencil. The use of 'correction fluid/tape' is not allowed.
- Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period". Ŕ
- For those parameters where the "permit requirement" spaces have a requirement or limitation, provide data in the "reported" spaces in accordance with your permit. φ.
- Enter the average and maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading". KG/DAY = Concentration (mg/L) x Flow (MGD) x 3.785 G/D (Grams/Day) = Concentration (mg/L) x Flow (MGD) x 3785 4
- Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration". ĸ.
- space in the column marked "No. Ex." (Number of Exceedances). If none, enter "0". Do NOT include monthly average violations in this field. Include any Maximum 7-Day Average and Maximum Weekly Average violations in this field. For all parameters enter the number of samples which do not comply with the maximum and/or minimum permit requirements in the "reported" requirements should consult the permit for what constitutes an exceedance and report accordingly. 6
- You are required to sample (at a minimum) according to the Sample Frequencies and Sample Types specified in your permit.
- Enter the actual frequency of analysis for each parameter (number of times per day, week, month, etc.) in the "reported" space in the column marked "Frequency of Analysis" ထ
- Enter the actual type of sample (Grab, 8HC, 24HC, etc) collected for each parameter in the "reported" space in the column marked "Sample Type". တ်
- ö Enter additional required data or comments in the space marked "additional permit requirements or comments". If additional required data comments are appended to the DMR, reference appended correspondence in this field. 10.
- Record the number of bypasses during the month, the total flow in million gallons (MG) and BOD5 in kilograms (KG) in the proper columns in the section marked "Bypasses and Overflows". 7
- The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator or if the operator in responsible charge of the facility is a licensed operator, the operator's signature and certificate number must be reported in the spaces provided. 12
- The principal executive officer then reviews the form and must sign in the space provided and provide a telephone number where he/she can be reached. Every page of the DMR must have an original signature. 33.
- Send the completed form(s) with original signatures to your Department of Environmental Quality Regional Office by the 10th of each month unless otherwise specified in the permit 4.
- 15. You are required to retain a copy of the report for your records.
- Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements decribing causes corrective actions taken. Reference each seperate violation by date. 16.
- If you have any questions, contact the Department of Environmental Quality Regional Office listed on the DMR. 17.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Ä

or until three consecutive monthly average flows equal or exceed 0.50 MGD, whichever occurs first, the permittee is authorized to discharge from Outfall 001 (process wastewater, boiler During the period beginning with the permit's effective date or upon achieving 12 consecutive monthly average flows less than 0.50 MGD and lasting until the permit's expiration date, blowdown, ash silo wet scrubber cooling water, filter plant backwash, sanitary wastewater).

This discharge shall be limited and monitored as specified below:

EFFLUENT CHARACTERISTICS			DISCHARGE LIMITATIONS	<u> AITATIONS</u>			MONITORING REQUIREMENTS	QUIREMENTS
	Monthly Average	Average	Weekly Average	Minimum	Maximum	<u>mnm</u>	Frequency	Sample Type
Flow (MGD) ^a	NL	7	NA	NA	NL	۔	Continuous	TIRE
pH (standard units)	NA	¥	NA	6.5	9.0	0	2/Month	Grab
BOD ₅ ^b	170 mg/L	320 kg/d	NA	NA	340 mg/L	640 kg/d	2/Month	24 HC
Suspended Solids ^b	260 mg/L	490 kg/d	NA	NA	520 mg/L		2/Month	24 HC
COD	950 mg/L	1800 kg/d	NA	NA	1900 mg/L	3600 kg/d	2/Month	24 HC
Total Chromium	0.69 mg/L	1.3 kg/d	NA	NA	1.4 mg/L	2.6 kg/d	2/Month	24 HC
Total Phenols	0.69 mg/L	1.3 kg/d	NA	NA	1.4 mg/L	2.6 kg/d	2/Month	Grab
Total Sulfide	2.1 mg/L	3.9 kg/d	NA	NA	4.1 mg/L	7.8 kg/d	2/Month	
Total Residual Chlorine (TRC)(mg/L) ^b	0.75	75	NA	NA	1.	-	1/Week	Grab
E. coli (N/100 mL) °	126 Geometric	ic Mean	NA	NA	NA		2/Month 10 a.m. to 4 p.m.	
Ammonia-N (Jun-Nov) (mg/L) b	4	44	NA	NA	44		1/Month	Grab
Color (ADMI)	NL	ت	NA	NA	NF	. 1	1/3 Months	24 HC

NL = No Limitation, monitoring required

NA = Not Applicable

TIRE = Totalizing, Indicating, and Recording Equipment

24 HC = 24-Hour Composite

1/3 Months = quarterly sampling with the results submitted with the DMR due January 10^{th} , April 10^{th} , July 10^{th} , and October 10^{th} of each year 2/Month = two samples taken during the calendar month, no less than 2 weeks apart

- The design flow of this treatment facility is 2.0 MGD. The above limits are based on a discharge of 0.50 MGD. See Part I.F.1. for additional requirements related to facility ત્વં
- See Part I.D. for additional monitoring and reporting instructions. ف
 - See Part I.B. for Interim Limits and Schedule of Compliance.
- VAN040067, enforceable under the General VPDES Watershed Permit Regulation for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake This facility has Total Nitrogen and Total Phosphorus calendar year load limits associated with this outfall included in the current Registration List under registration number Watershed in Virginia. ပ ပဲ
 - There shall be no discharge of floating solids or visible foam in other than trace amounts.

During the period following three consecutive months of monthly average flows that equal or exceed 0.50 MGD and lasting until the permit's expiration date or until 12 consecutive monthly average flows are less than 0.50 MGD, or until three consecutive monthly average flows equal or exceed 1.1 MGD, whichever occurs first, the permittee is authorized to discharge from Outfall 001 (process wastewater, boiler blowdown, ash silo wet scrubber cooling water, filter plant backwash, sanitary wastewater). d

This discharge shall be limited and monitored as specified below:

EFFLUENT CHARACTERISTICS			DISCHARGE LIMITATIONS	<u> </u>			MONITORING REQUIREMENTS	QUIREMENTS
	Monthly Average	Average	Weekly Average	Minimum	Maximum	<u>mnm</u>	Frequency	Sample Type
Flow (MGD) ^a	N	ľ	NA	NA	Z	_	Continuous	TIRE
pH (standard units)	NA	A	NA	6.5	9.0	0	2/Month	Grab
BOD ₅ ^b	77 mg/L	320 kg/d	NA	NA	150 mg/L	640 kg/d	2/Month	24 HC
Suspended Solids ^b	120 mg/L	490 kg/d	NA	NA	240 mg/L	980 kg/d	2/Month	24 HC
COD	430 mg/L	1800 kg/d	NA	NA	860 mg/L	3600 kg/d	2/Month	24 HC
Total Chromium	0.31 mg/L	1.3 kg/d	NA	NA	0.62 mg/L	2.6 kg/d	2/Month	24 HC
Total Phenois	0.31 mg/L	1.3 kg/d	NA	NA	0.62 mg/L	2.6 kg/d	2/Month	Grab
Total Sulfide	0.94 mg/L	3.9 kg/d	NA	NA	1.9 mg/L	7.8 kg/d	2/Month	Grab
Total Residual Chlorine (TRC)(mg/L) b	0.25	25	NA	NA	0.36		1/Week	Grab
E. coli (N/100 mL) °	126 Geometric	6 ic Mean	NA	NA	NA		2/Month 10 a.m. to 4 p.m.	Grab
Ammonia-N (Jun-Nov) (mg/L) b	20	0	NA	NA	20		1/Month	Grab
Ammonia-N (Dec-May) (mg/L) b	64	-c+	NA	NA	64		1/Month	Grab
Color (ADMI)	NL		NA	NA	N	_	1/3 Months	24 HC
Whole Effluent Toxicity (TUc) ^d	NA	A	NA	NA	5(0	1/3 Months	24 HC

NL = No Limitation, monitoring required

NA = Not Applicable

TIRE = Totalizing, Indicating, and Recording Equipment

24 HC = 24-Hour Composite

2/Month = two samples taken during the calendar month, no less than 2 weeks apart

1/3 Months = quarterly sampling with the results submitted with the DMR due January 10^{th} , April 10^{th} , July 10^{th} , and October 10^{th} of each year

- The design flow of this treatment facility is 2.0 MGD. The above limits are based on a discharge of 1.1 MGD. See Part I.F.1. for additional requirements related to facility flows. ei ei
 - See Part I.D. for additional monitoring and reporting instructions.
 - See Part I.B. for Interim Limits and Schedule of Compliance.
 - See Part I.E.2. for additional monitoring instructions. ပ်ဗော်ပ
- VAN040067, enforceable under the General VPDES Watershed Permit Regulation for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake This facility has Total Nitrogen and Total Phosphorus calendar year load limits associated with this outfall included in the current Registration List under registration number Watershed in Virginia.
 - There shall be no discharge of floating solids or visible foam in other than trace amounts. 4--

During the period following three consecutive months of monthly average flows that equal or exceed 1.1 MGD and lasting until the permit's expiration date or until 12 consecutive monthly average flows are less than 1.1 MGD, whichever occurs first, the permittee is authorized to discharge from Outfall 001 (process wastewater, boiler blowdown, ash silo wet scrubber cooling water, filter plant backwash, sanitary wastewater). ж.

This discharge shall be limited and monitored as specified below:

EFFLUENT CHARACTERISTICS		DISCHARGE LIMITATIONS	<u>MITATIONS</u>			MONITORING REQUIREMENTS	QUIREMENTS
	Monthly Average	Weekly Average	Minimum	Maximum	mnm	Frequency	Sample Type
Flow (MGD) ^a	NL	NA	NA	Z	ت	Continuous	TIRE
pH (standard units)	NA	NA	6.5	9.0	0	2/Month	Grab
BOD _s ^b	42 mg/L 320 kg/d	NA	NA	84 mg/L	640 kg/d	2/Month	24 HC
Suspended Solids ^b	65 mg/L 490 kg/d		NA	130 mg/L	980 kg/d	2/Month	24 HC
COD	240 mg/L 1800 kg/d		NA	480 mg/L	3600 kg/d	2/Month	24 HC
Total Chromium	0.17 mg/L 1.3 kg/d	NA	NA	0.34 mg/L	2.6 kg/d	2/Month	24 HC
Total Phenols	0.17 mg/L 1.3 kg/d	NA	NA	0.34 mg/L	2.6 kg/d	2/Month	Grab
Total Sulfide	0.52 mg/L 3.9 kg/d	NA	NA	1.0 mg/L	7.8 kg/d	2/Month	Grab
Total Residual Chlorine (TRC)(mg/L) b	0.22	NA	NA	0.31		1/Week	Grab
E. coli (N/100 mL) °	126 Geometric Mean	NA	NA	NA	4	2/Month 10 a.m. to 4 p.m.	Grab
Ammonia-N (Jun-Nov) (mg/L) b	9.7	NA	NA	7.6	7	1/Month	Grab
Ammonia-N (Dec-May) (mg/L) b	30	Y.A	NA	30		1/Month	Grab
Color (ADMI)	NL	NA	NA	N	. 1	1/3 Months	24 HC
Whole Effluent Toxicity (TUc) ^d	NA	NA	NA	33		1/3 Months	24 HC

NL = No Limitation, monitoring required

NA = Not Applicable

TIRE = Totalizing, Indicating, and Recording Equipment

24 HC = 24-Hour Composite

2/Month = two samples taken during the calendar month, no less than 2 weeks apart

1/3 Months = quarterly sampling with the results submitted with the DMR due January 10th, April 10th, July 10th, and October 10th of each year

- The design flow of this treatment facility is 2.0 MGD. See Part I.F.1. for additional requirements related to facility flows.
- See Part I.D. for additional monitoring and reporting instructions. See Part I.B. for Interim Limits and Schedule of Compliance. ъ. Б

 - See Part I.E.2. for additional monitoring instructions. ပ် ဗ
- VAN040067, enforceable under the General VPDES Watershed Permit Regulation for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake This facility has Total Nitrogen and Total Phosphorus calendar year load limits associated with this outfall included in the current Registration List under registration number Watershed in Virginia.
 - There shall be no discharge of floating solids or visible foam in other than trace amounts.

4. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from Outfalls 002, 003, 005, 006, 008, and 009 (solely storm water not associated with industrial activity).

This discharge shall be limited and monitored as specified below:

MONITORING REQUIREMENTS	Frequency Sample Type
	Maximum
DISCHARGE LIMITATIONS	Weekly Average Minimum
	Monthly Average
EFFLUENT CHARACTERISTICS	

There shall be no discharge of process wastewater from these outfalls. There shall be no discharge of floating solids or visible foam in other than trace amounts.

5. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from Outfall 007 (combined discharge containing noncontact cooling water, coal pile runoff, and storm water).

This discharge shall be limited and monitored as specified below:

EQUIREMENTS	Sample Type	Estimate	Grab	Grab	Immersion 1/3 Months Stabilization
MONITORING R	Frequency	1/3 Months	1/3 Months	1/3 Months	1/3 Months
	Maximum	NE	9.0	2.7	31
<u>AITATIONS</u>	Minimum	NA	6.5	NA	NA
DISCHARGE LIMITATION	Weekly Average	NA	NA		NA
	Monthly Average	N	NA	2.7	NA
EFFLUENT CHARACTERISTICS		Flow (MGD) ^a	pH (standard units)	Total Residual Chlorine (TRC)(mg/L) ^b	Temperature (° C) ^a

NL = No Limitation, monitoring required NA = Not Applicable

1/3 Months = quarterly sampling with the results submitted with the DMR due January 10^{th} , April 10^{th} , July 10^{th} , and October 10^{th} of each year

The effluent shall not cause an increase in temperature of the receiving stream of more than 3° C above the natural water temperature. The effluent shall not cause the temperature in the receiving stream to change more than 2° C per hour. Natural temperature is defined as that temperature of a body of water (measured as the arithmetic average over one hour) due solely to natural conditions without the influence of any point-source discharge. ಣ

See Part I.D. for additional monitoring instructions. There shall be no discharge of floating solids or visible foam in other than trace amounts. ن غـ

6. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from Outfall 101 (internal outfall to 001 containing ash silo wet scrubber cooling water, boiler house sump water, and boiler blowdown prior to discharge into the latex/fly ash settling basins).

This discharge shall be limited and monitored as specified below:

REMENTS	ample Type	Estimate	Grab
MONITORING REQUIREMEN		1/Month	1/Month
	unu	1	1.9 kg/d
	Maximum	ğ	20 mg/L
ITATIONS	Minimum	NA	NA
DISCHARGE LIMITATIO	Weekly Average	NA	NA
	Average	T	1.4 kg/d
	Monthly,	N	15 mg/L
EFFLUENT CHARACTERISTICS		Flow (MGD) ^a	Oil and Grease ^b

NL = No Limitation, monitoring required NA = Not Applicable

Load limits are based on 40 CFR 423 for low volume wastewater. Monthly average loads are imposed at the maximum 30-day average flows and the maximum 1-day loads are imposed at the maximum 1-day flows.
See Part I.D. for additional monitoring instructions.
There shall be no discharge of floating solids or visible foam in other than trace amounts.

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7. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from Outfall 104 (final discharge from the sewage treatment plant prior to discharge in the wastewater treatment plant served by Outfall 001).

This discharge shall be limited and monitored as specified below:

UIREMENTS	Sample Type	Estimate	Grab
MONITORING REQ	Frequency Sample Type	1/Month	1/Day
	Maximum	NL	4.0
<u> IITATIONS</u>	Minimum	NA	NA
DISCHARGE LIN	Weekly Average Minimum	NA	NA
	Monthly Average	NF	NA
EFFLUENT CHARACTERISTICS		Flow (MGD) ^a	Total Residual Chlorine (TRC)(mg/L) b,c

NL = No Limitation, monitoring required NA = Not Applicable

The design flow of this treatment facility is 0.0384 MGD. See Part I.F.1. for additional requirements related to facility flows. See Part I.C. for disinfection requirements. See Part I.D. for additional monitoring and reporting instructions. There shall be no discharge of floating solids or visible foam in other than trace amounts. ф. С. О. в.

8. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from Outfall 907 (internal to Outfall 907 containing storm water from the coal pile).

This discharge shall be limited and monitored as specified below:

REMENTS	Sample Type	Grab	Grab
MONITORING REQUIREMEN		1/Year	1/Year
	<u>Maximum</u>	0.6	50 ^b
<u>IITATIONS</u>	Minimum	0.9	NA
DISCHARGE LIMITATION	Weekly Average	NA	NA
	Monthly Average	NA	NA
EFFLUENT CHARACTERISTICS		pH (standard units)	Suspended Solids (mg/L) ^a

 $NL = No\ Limitation,\ monitoring\ required$

NA = Not Applicable

I/Year = Annual testing results shall be submitted with the DMR due January 10^{th} of the following year.

See Part I.D. for additional monitoring instructions and reporting requirements.

Any untreated overflow from facilities designed, constructed, and operated to treat the volume of storage pile runoff that is associated with a 10 year, 24-hour rainfall event shall not be subject to the 50 mg/L limitation for total suspended solids.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

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B. INTERIM LIMITS AND SCHEDULE OF COMPLIANCE

Until compliance with the final limits and monitoring requirements for E. coli specified in Part I.A.1, Part I.A.2. and Part I.A.3., the discharge from Outfall 001 shall be limited and monitored as follows:

	<u>Discharg</u>	ge Limits	<u>Monitoring</u>	Requirements
	Monthly Average	Daily Maximum	Frequency	Sample Type
E. coli	NL	NA	2/Month	Grab

The permittee shall achieve compliance with the final limits and monitoring requirements for E. coli specified in Part I.A. of this permit in accordance with the following schedule:

1. Submit Progress Report

By 2/10/11

2. Achieve compliance with final limits

By 2/1/12

By February 15, 2012, the permittee shall submit a report to the DEQ-Valley Regional Office indicating whether compliance with the final E. coli limitations has been achieved.

C. ADDITIONAL TRC LIMITATIONS AND MONITORING REQUIREMENTS

- 1. No more than 3 samples collected at Outfall 104 for TRC shall be less than 1.0 mg/L for any one calendar month.
- 2. No TRC sample shall be less than 0.6 mg/L.
- 3. If chlorine disinfection is not used, E. coli shall be limited and monitored by the permittee as specified below:

	<u>Discharge Limit</u>	Monitoring Requirements	
•	Monthly Average	Frequency	Sample Type
E. coli	126	1/Week	Grab
(N/100 mL)	(Geometric Mean)	Between 10 a	ı.m. and 4 p.m.

This E. coli requirement, if applicable, shall substitute for the TRC requirements specified in Part I.A.7. in this permit.

D. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS - ADDITIONAL INSTRUCTIONS

1. Quantification Levels (QLs) shall be less than or equal to the following concentrations:

Effluent Characteristic	\underline{QL}
BOD ₅	5 mg/L
Suspended Solids	1.0 mg/L
Chlorine	0.10 mg/L
Ammonia-N	0.20 mg/L
Oil & Grease	5.0 mg/L

2. Compliance Reporting Under Part I.A.

- a. Monthly Average -- Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.D.1. above shall be determined as follows: All data below the test method QL shall be treated as zeros. All data equal to or above the test method QL shall be treated as reported. Arithmetic concentration and/or loading averages (as applicable) shall be calculated using all reported data for the month, including the defined zeros. These averages shall be reported on the Discharge Monitoring Report (DMR). If all data are less than the test method QL, then "<QL" shall be reported on the DMR for the concentration and/or loading values. Otherwise the average values shall be reported as calculated.
- b. Daily Maximum -- Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.D.1. above shall be determined as follows: All data below the test method QL shall be treated as zeros. All data equal to or above the test method QL shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are less than the test method QL, then "<QL" shall be reported on the DMR for the concentration and/or loading values.
- c. Any single datum required shall be reported as "<QL" if it is less than the test method QL. Otherwise, the numerical value shall be reported.
- d. The permittee shall report at least the same number of significant digits as the permit limit for a given parameter. Regardless of the rounding convention used (i.e., 5 always rounding up or to the nearest even number) by the permittee, the permittee shall use the convention consistently, and shall ensure that consulting laboratories employed by the permittee use the same convention.

E. TOXICS MANAGEMENT PROGRAM (TMP)

- 1. Biological Monitoring Outfall 001 @ 0.50 MGD Flow Tier
 - a. In accordance with the schedule in Part I.E.1.d. below, and continuing until the permit's expiration date, or until three consecutive monthly average flows equal or exceed 0.50 MGD, the permittee shall conduct annual acute toxicity tests using 24-hour flow-proportioned composite samples of final effluent collected from outfall 001.

The acute tests shall be 48-Hour Static Acute tests using $Ceriodaphnia\ dubia$. Each test shall be performed with a minimum of 5 dilutions, derived geometrically, for calculation of a valid LC_{50} . Express the results as Acute Toxicity Units (TU_a) by dividing $100/LC_{50}$.

During the term of the permit, the permittee may provide additional samples to address data variability. These data shall be reported and may be included in the evaluation of effluent toxicity. Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.

- b. The test dilutions shall be able to determine compliance with the following endpoint: Acute LC_{50} of 100%, equivalent to 1.0 TU_a
- c. Should evaluation of the data indicate that a limit is needed, a WET limit and compliance schedule will be required and the toxicity tests of Part I.E.1.a. may be discontinued.

d. The permittee shall supply 1 copy of the test report for the toxicity tests specified in this TMP in accordance with the following schedule:

Monitoring Period	<u>Testing Period</u>	Report Submittal Dates
1 st Annual	8/1/2010-8/31/2010	By 10/10/2010
Annually thereafter	At 12 month intervals from the first annual test period	At 12 month intervals from the first annual submittal date

- 2. Biological Monitoring Outfall 001 @ 1.1 MGD & 2.0 MGD Flow Tiers
 - a. In accordance with the schedule in Part I.E.2.c. below, the permittee shall conduct quarterly chronic toxicity tests using 24-hour flow-proportioned composite samples of final effluent from outfall 001. The chronic toxicity test to use is the Chronic 3-Brood Static Renewal Survival and Reproduction Test using *Ceriodaphnia dubia*.

Each test shall be performed with a minimum of 5 dilutions, derived geometrically, in order to determine the No Observed Effect Concentration (NOEC) for survival and reproduction. Express the results as Chronic Toxicity Units (TU_c) by dividing 100/NOEC. Report the LC_{50} for each chronic test at the 48-hour point, and the IC_{25} , if calculable, with the NOEC in the required test report.

Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.

- b. The permit may be modified or revoked and reissued to include pollutant-specific limits in lieu of a WET limit should it be demonstrated that toxicity is due to specific parameters. The pollutant-specific limits must control the toxicity of the effluent.
- c. Report Schedule: The permittee shall supply 1 copy of the test report for the toxicity tests specified in this TMP in accordance with the following schedule:

Monitoring Period	Testing Period	Report Submittal Dates
1 st Quarter	In the full third month following the applicability of Part I.A.2. or Part I.A.3.	With the Discharge Monitoring Report (DMR) for the month following the month in which the tests were conducted
Quarterly thereafter	Every third month following the previous quarterly test	Every third month following the previous quarterly submittal

F. OTHER REQUIREMENTS AND SPECIAL CONDITIONS

1. 95% Capacity Reopener -- A written notice and a plan of action for ensuring continued compliance with the terms of this permit shall be submitted to:

Department of Environmental Quality Valley Regional Office P.O. Box 3000 Harrisonburg, Virginia 22801

when the monthly average flow influent to the sewage treatment or wastewater treatment plant reaches 95 percent of the design capacity authorized in this permit for each month of any three consecutive month period. The written notice shall be submitted within 30 days and the plan of action shall be received at the DEQ-Valley Regional Office no later than 90 days from the third consecutive month for which the flow reached 95 percent of the design capacity. The plan shall include the necessary steps and a prompt schedule of implementation for controlling any current or reasonably anticipated problem resulting from high influent flows. Failure to submit an adequate plan in a timely manner shall be deemed a violation of this permit.

- 2. Materials Handling/Storage -- Any and all product, materials, industrial wastes, and/or other wastes resulting from the purchase, sale, mining, extraction, transport, preparation, and/or storage of raw or intermediate materials, final product, by-product or wastes, shall be handled, disposed of, and/or stored in such a manner so as not to permit a discharge of such product, materials, industrial wastes, and/or other wastes to State waters, except as expressly authorized.
- 3. Operations and Maintenance (O&M) Manual Requirements -
 - a. The permittee shall maintain a current and approved O&M Manual for the treatment works. This manual shall detail the practices and procedures which will be followed to ensure compliance with the requirements of this permit. This manual shall include, but not necessarily be limited to, the following items:
 - (1) Treatment system design, treatment system operation, routine preventive maintenance of units within the treatment system, critical spare parts inventory and record keeping;
 - (2) Techniques to be employed in the collection, preservation, and analysis of effluent samples (and sludge samples if sludge analyses are required);
 - (3) Procedures for handling, storing, and disposing of all wastes, fluids, and pollutants characterized in Part I.F.2 that will prevent these materials from reaching state waters;
 - (4) Procedures for documenting compliance with the permit requirement that there shall be no discharge of floating solids or visible foam in other than trace amounts; and
 - (5) A plan for the management and/or disposal of waste solids/residues.

The permittee shall operate the treatment works in accordance with the approved O&M Manual. Any changes in the practices and procedures followed by the permittee shall be documented and submitted for DEQ approval within 90 days of the effective date of the changes. Upon approval of the submitted manual changes, the revised manual becomes an enforceable part of the permit. Noncompliance with the O&M Manual shall be deemed a violation of the permit.

b. Within 60 days of the effective date of the permit, the permittee shall submit to the DEQ-Valley Regional Office for approval revisions to the O&M Manual that address documenting compliance with the permit requirement that there shall be no discharge of floating solids or visible foam in other than trace amounts.

- 4. Certificate to Construct (CTC) / Certificate of Operate (CTO) Requirement -- The permittee shall, in accordance with the DEQ Sewage Collection and Treatment Regulation (9 VAC 25-790), obtain a CTC and a CTO prior to constructing and operating the sewage treatment works. Noncompliance with the CTC or CTO shall be deemed a violation of the permit.
- 5. Concept Engineering Report (CER) Requirement -- This facility shall submit a CER for DEQ approval prior to installation of any nutrient removal wastewater treatment technology. Upon approval of a CER for the installation of nutrient removal technology, DEQ staff shall initiate modification or, alternatively, revocation and reissuance, of this permit to include annual concentration limits based on the technology proposed in the CER. The permittee shall inform the DEQ regional office within 14 days of completion of construction of any project for which a CER has been approved. Upon completion of construction in accordance with a CER that has been approved by DEQ, any nutrient removal facilities installed shall be operated to achieve the design effluent TN and TP concentrations.
- 6. Sludge Management Plan (SMP) Requirement -- The permittee shall conduct all sewage sludge use or disposal activities in accordance with the SMP approved with the reissuance of this permit. Any proposed changes in the sewage sludge use or disposal practices or procedures followed by the permittee shall be documented and submitted for DEQ approval 90 days prior to the effective date of the changes. Upon approval, the SMP becomes an enforceable part of the permit. This permit may be modified or, alternatively, revoked and reissued to incorporate limitations/conditions necessitated by substantive changes in sewage sludge use or disposal practices.
- 7. Licensed Operator Requirement -- The permittee shall employ or contract at least one Class II licensed wastewater works operator for this facility. The license shall be issued in accordance with Title 54.1 of the Code of Virginia and the regulations of the Board for Waterworks and Wastewater Works Operators. The permittee shall notify the DEQ-Valley Regional Office in writing whenever he is not complying, or has grounds for anticipating he will not comply with this requirement. The notification shall include a statement of reasons and a prompt schedule for achieving compliance.
- 8. Reliability Class -- The permitted sewage treatment works shall meet Reliability Class II.
- 9. Water Quality Criteria Monitoring -- The permittee shall monitor the effluent at Outfall 001 for the substances noted in Attachment A of this permit according to the indicated analysis number, quantification level, sample type and frequency. Monitoring shall be initiated after the start of the third year from the permit's effective date. Using Attachment A as the reporting form, the data shall be submitted with the next permit reissuance application which is due at least 180 days prior to the expiration date of this permit. Monitoring and analyses shall be conducted in accordance with 40 CFR Part 136 or alternative EPA approved method. Methods other than those specified in Attachment A may be used with prior notification to and approval from DEQ. It is the responsibility of the permittee to ensure that proper QA/QC protocols are followed during the sample gathering and analytical procedures. DEQ will use these data for making specific permit decisions in the future. This permit may be modified or, alternatively, revoked and reissued to incorporate limits for any of the substances listed in Attachment A.
- 10. Treatment Works Closure Plan -- If the permittee plans an expansion or upgrade to replace the existing treatment works, or if the facility is permanently closed, the permittee shall submit to the DEQ-Valley Regional Office a closure plan for the existing treatment works. The plan shall address the following information as a minimum: Verification of elimination of sources and/or alternate treatment scheme; treatment, removal and final disposition of residual wastewater and solids; removal/demolition/disposal of structures, equipment, piping and appurtenances; site grading, and erosion and sediment control; restoration of site vegetation; access control; fill materials; and proposed land use (post-closure) of the site. The plan should contain proposed dates for beginning and completion of the work. The plan must be approved by the DEQ prior to implementation. The permittee may continue discharging until the effluent no longer meets the permit limits or the permit expires, whichever occurs first.

- 11. Reopeners -- This permit may be modified or, alternatively, revoked and reissued:
 - a. If any approved waste load allocation procedure, pursuant to Section 303(d) of the Clean Water Act, imposes waste load allocations, limits or conditions on the facility that are not consistent with the permit requirements; or
 - b. To incorporate technology-based effluent concentration limitations for nutrients in conjunction with the installation of nutrient control technology, whether by new construction, expansion or upgrade; or
 - c. To incorporate alternative nutrient limitations and/or monitoring requirements, should:
 - (1) the State Water Control Board adopt new nutrient standards for the water body receiving the discharge, including the Chesapeake Bay or its tributaries; or
 - (2) a future water quality regulation or statute require new or alternative nutrient control; or
 - d. If any applicable standard for sewage sludge use or disposal promulgated under Section 405(d) of the Clean Water Act is more stringent than any requirements for sludge use or disposal in this permit, or controls a pollutant or practice not limited in this permit.
- 12. Notification Levels -- The permittee shall notify the DEQ-Valley Regional Office as soon as they know or have reason to believe:
 - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:
 - (1) $100 \mu g/L$;
 - (2) 200 μg/L for acrolein and acrylonitrile; 500 μg/L for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and 1 mg/L for antimony;
 - (3) Five times the maximum concentration value reported for that pollutant in the permit application; or
 - (4) The level established by the Board.
 - b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:
 - (1) $500 \mu g/L$;
 - (2) 1 mg/L for antimony;
 - (3) Ten times the maximum concentration value reported for that pollutant in the permit application; or
 - (4) The level established by the Board.

G. GENERAL STORM WATER SPECIAL CONDITIONS

1. Sample Type

For all storm water monitoring required in Part I.A or other applicable sections of this permit, a minimum of one grab sample shall be taken. Unless otherwise specified, all such samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The required 72-hour storm event interval is waived where the preceding measurable storm event did not result in a measurable discharge from the facility. The required 72-hour storm event interval may also be waived where the permittee documents that less than a 72-hour interval is representative for local storm events during the season when sampling is being conducted. The grab sample shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge, and the permittee shall submit with the monitoring report a description of why a grab sample during the first 30 minutes was impracticable. If storm water discharges associated with industrial activity commingle with process or non-process water, then where practicable permittees must attempt to sample the storm water discharge before it mixes with the non-storm water discharge.

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2. Recording of Results

For each measurement or sample taken pursuant to the storm event monitoring requirements of this permit, the permittee shall record and report with the Discharge Monitoring Reports (DMRs) the following information:

- a. The date and duration (in hours) of the storm event(s) sampled;
- b. The rainfall measurements or estimates (in inches) of the storm event which generated the sampled discharge; and
- c. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event.

In addition, the permittee shall maintain a monthly log documenting the amount of rainfall received at this facility on a daily basis. A summarization of this information shall also be submitted with the DMRs.

3. Sampling Waiver

When a permittee is unable to collect storm water samples required in Part I.A or other applicable sections of this permit within a specified sampling period due to adverse climatic conditions, the permittee shall collect a substitute sample from a separate qualifying event in the next period and submit these data along with the data for the routine sample in that period. Adverse weather conditions that may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).

4. Representative Discharges

When a facility has two or more outfalls that, based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the outfall, the permittee reasonably believes substantially identical effluents are discharged, the permittee may test the effluent of one of such outfalls and report that the quantitative data also apply to the substantially identical outfall(s) provided that: (1) the representative outfall determination has been approved by DEQ prior to data submittal; and, (2) the permittee includes in the storm water pollution prevention plan a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents.

5. Quarterly Visual Examination of Storm Water Quality

- a. The permittee must perform and document a quarterly visual examination of a storm water discharge associated with industrial activity from each outfall, except discharges exempted below. The examination(s) must be made at least once in each of the following three-month periods: January through March, April through June, July through September, and October through December. The visual examination must be made during daylight hours (e.g., normal working hours). If no storm event resulted in runoff from the facility during a monitoring quarter, the permittee is excused from visual monitoring for that quarter provided that documentation is included with the monitoring records indicating that no runoff occurred. The documentation must be signed and certified in accordance with Part II.K of this permit.
- b. Visual examinations must be made of samples collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging from the facility. The examination must document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. The examination must be conducted in a well-lit area. No analytical tests are required to be performed on the samples. All samples (except snowmelt samples) must be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The 72-

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hour storm interval is waived when the preceding measurable storm did not yield a measurable discharge, or if the permittee is able to document that less than a 72-hour interval is representative for local storm events during the sampling period. Where practicable, the same individual should carry out the collection and examination of discharges for the entire permit term. If no qualifying storm event resulted in runoff from the facility during a monitoring quarter, the permittee is excused from visual monitoring for that quarter provided that documentation is included with the monitoring records indicating that no qualifying storm event occurred that resulted in storm water runoff during that quarter. The documentation must be signed and certified in accordance with Part II K.

- c. The visual examination reports must be maintained on-site with the Storm Water Pollution Prevention Plan (SWPPP). The report must include the outfall location, the examination date and time, examination personnel, the nature of the discharge (i.e., runoff or snow melt), visual quality of the storm water discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution), and probable sources of any observed storm water contamination.
- d. If the facility has two or more outfalls that, based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may collect a sample of effluent of one of such outfalls and report that the examination data also applies to the substantially identical outfall(s) provided that the permittee includes in the storm water pollution prevention plan a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents. In addition, for each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area (i.e., low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)) shall be provided in the plan.
- e. When the permittee is unable to conduct the visual examination due to adverse climatic conditions, the permittee must document the reason for not performing the visual examination and retain this documentation onsite with the records of the visual examinations. Adverse weather conditions that may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).

6. Allowable Non-Storm Water Discharges

- a. The following non-storm water discharges are authorized by this permit provided the non-storm water component of the discharge is in compliance with 6.b, below.
 - (1) Discharges from fire fighting activities;
 - (2) Fire hydrant flushings;
 - (3) Potable water including water line flushings;
 - (4) Uncontaminated air conditioning or compressor condensate;
 - (5) Irrigation drainage;
 - (6) Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions;
 - (7) Pavement wash waters where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed);
 - (8) Routine external building wash down which does not use detergents;
 - (9) Uncontaminated ground water or spring water;
 - (10)Foundation or footing drains where flows are not contaminated with process materials such as solvents:
 - (11)Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but NOT intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains).

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- b. Except for flows from fire fighting activities, the Storm Water Pollution Prevention Plan must include:
 - (1) Identification of each allowable non-storm water source;
 - (2) The location where the non-storm water is likely to be discharged; and
 - (3) Descriptions of any BMPs that are being used for each source.
- c. If mist blown from cooling towers is included as one of the allowable non-storm water discharges from the facility, the permittee must specifically evaluate the potential for the discharges to be contaminated by chemicals used in the cooling tower, and must select and implement BMPs to control such discharges so that the levels of cooling tower chemicals in the discharges would not cause or contribute to a violation of an applicable water quality standard.

7. Releases of Hazardous Substances or Oil in Excess of Reportable Quantities

The discharge of hazardous substances or oil in the storm water discharge(s) from the facility shall be prevented or minimized in accordance with the storm water pollution prevention plan for the facility. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill. This permit does not relieve the permittee of the reporting requirements of 40 CFR 110, 40 CFR 117 and 40 CFR 302 or § 62.1-44.34:19 of the Code of Virginia. Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR 110, 40 CFR 117 or 40 CFR 302 occurs during a 24-hour period:

- a. The permittee is required to notify the Department in accordance with the requirements of Part II.H as soon as he or she has knowledge of the discharge;
- b. Where a release enters a municipal separate storm sewer system (MS4), the permittee shall also notify the owner or the MS4; and
- c. The storm water pollution prevention plan required by this permit must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

8. Additional Requirements for Salt Storage

Storage piles of salt used for deicing or other commercial or industrial purposes must be enclosed or covered to prevent exposure to precipitation (except for exposure resulting from adding or removing materials from the pile). Piles do not need to be enclosed or covered where storm water from the pile is not discharged to state waters or the discharges from the piles are authorized under another permit.

H. STORM WATER POLLUTION PREVENTION PLAN

Refer to Part I.I. and Part I.J. for sector-specific storm water management requirements.

A storm water pollution prevention plan (SWPPP) for the facility was required to be developed and implemented under the previous permit. The existing storm water pollution prevention plan shall be reviewed and modified, as appropriate, to conform to the requirements of this section.

The plan shall identify potential sources of pollution that may reasonably be expected to affect the quality of storm water discharges associated with industrial activity from the facility. In addition, the plan shall describe and ensure the implementation of practices that are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit. Permittees must implement the provisions of the storm water pollution prevention plan as a condition of this permit.

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The storm water pollution prevention plan requirements of this permit may be fulfilled by incorporating by reference other plans or documents such as an erosion and sediment control (ESC) plan, a spill prevention control and countermeasure (SPCC) plan developed for the facility under Section 311 of the Clean Water Act, or best management practices (BMP) programs otherwise required for the facility, provided that the incorporated plan meets or exceeds the plan requirements of Part I.H.2 (Contents of the Plan). If an ESC plan is being incorporated by reference, it shall have been approved by the locality in which the activity is to occur or by another appropriate plan approving authority authorized under the Virginia Erosion and Sediment Control Regulation, 4 VAC 50-30. All plans incorporated by reference into the storm water pollution prevention plan become enforceable under this permit.

1. <u>Deadlines for Plan Preparation and Compliance</u>

- a. The facility shall review and verify or revise, if necessary, their current plan as expeditiously as practicable, but not later than 90 days from the effective date of the permit. Verification of compliance with the above deadline shall be provided, in writing, within 10 days of either the deadline or the actual completion date, if completed earlier.
- b. Measures That Require Construction. In cases where construction is necessary to implement measures required by the plan, the plan shall contain a schedule that provides compliance with the plan as expeditiously as practicable, but no later than 3 years after the effective date of this permit. Where a construction compliance schedule is included in the plan, the schedule shall include appropriate nonstructural and/or temporary controls to be implemented in the affected portion(s) of the facility prior to completion of the permanent control measure.

2. Contents of the Plan

The contents of the SWPPP shall comply with the requirements listed below and those in Part I.I. and Part I.J. The plan shall include, at a minimum, the following items:

- a. Pollution Prevention Team. The plan shall identify the staff individuals by name or title that comprise the facility's storm water pollution prevention team. The pollution prevention team is responsible for assisting the facility or plant manager in developing, implementing, maintaining, and revising the facility's SWPPP. Responsibilities of each staff individual on the team must be listed.
- b. Site Description. The plan shall include the following:
 - (1) Activities at the Facility. A description of the nature of the industrial activity(ies) at the facility.
 - (2) General Location Map. A general location map (e.g., USGS quadrangle or other map) with enough detail to identify the location of the facility and the receiving waters within one mile of the facility.
 - (3) Site Map. A site map identifying the following:
 - (a) Directions of storm water flow (e.g., use arrows to show which ways storm water will flow);
 - (b) Locations of all existing structural BMPs;
 - (c) Locations of all surface water bodies;
 - (d) Locations of potential pollutant sources identified under Part I.H.2.c and where significant materials are exposed to precipitation;
 - (e) Locations where major spills or leaks identified under Part I.H.2.d have occurred;
 - (f) Locations of the following activities where such activities are exposed to precipitation: fueling stations; vehicle and equipment maintenance and/or cleaning areas; locations used for the treatment, storage or disposal of wastes; and liquid storage tanks;
 - (g) Locations of storm water outfalls and an approximate outline of the area draining to each outfall:
 - (h) Location and description of non-storm water discharges;
 - (i) Locations of the following activities where such activities are exposed to precipitation: processing and storage areas; access roads, rail cars and tracks; the location of transfer of substance in bulk; and machinery; and

- (j) Location and source of runoff from adjacent property containing significant quantities of pollutants of concern to the facility (the permittee may include an evaluation of how the quality of the storm water running onto the facility impacts the facility's storm water discharges).
- (4) Receiving Waters and Wetlands. The name of the nearest receiving water(s), including intermittent streams, dry sloughs, arroyos and the areal extent and description of wetland sites that may receive discharges from the facility.
- c. Summary of Potential Pollutant Sources. The plan shall identify each separate area at the facility where industrial materials or activities are exposed to storm water. Industrial materials or activities include, but are not limited to: material handling equipment or activities, industrial machinery, raw materials, intermediate products, byproducts, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product. For each separate area identified, the description must include:
 - (1) Activities in Area. A list of the activities (e.g., material storage, equipmentfueling and cleaning, cutting steel beams); and
 - (2) Pollutants. A list of the associated pollutant(s) or pollutant parameter(s) (e.g., crankcase oil, iron, biochemical oxygen demand, pH, etc.) for each activity. The pollutant list must include all significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to storm water between the time of three years before being covered under this permit and the present.
- d. Spills and Leaks. The SWPPP must clearly identify areas where potential spills and leaks that can contribute pollutants to storm water discharges can occur and their accompanying drainage points. For areas that are exposed to precipitation or that otherwise drain to a storm water conveyance at the facility to be covered under this permit, the plan must include a list of significant spills and leaks of toxic or hazardous pollutants that occurred during the three-year period prior to the date of the submission of a registration statement. The list must be updated if significant spills or leaks occur in exposed areas of the facility during the term of the permit. Significant spills and leaks include releases of oil or hazardous substances in excess of reportable quantities, and may also include releases of oil or hazardous substances that are not in excess of reporting requirements.
- e. Sampling Data. The plan must include a summary of existing discharge sampling data taken at the facility, and must also include a summary of sampling data collected during the term of this permit.
- f. Storm Water Controls. The SWPPP shall include a description of storm water management controls appropriate for the facility. The description of controls shall address the following minimum components:
 - (1) Description of Existing and Planned BMPs. The plan shall describe the type and location of existing nonstructural and structural best management practices (BMPs) selected for each of the areas where industrial materials or activities are exposed to storm water. All the areas identified in Part I.H.2.c (Summary of Potential Pollutant Sources) should have a BMP(s) identified for the area's discharges. For areas where BMPs are not currently in place, include a description of appropriate BMPs that will be used to control pollutants in storm water discharges. Selection of BMPs should take into consideration:
 - (a) The quantity and nature of the pollutants, and their potential to impact the water quality of receiving waters;
 - (b) Opportunities to combine the dual purposes of water quality protection and local flood control benefits, including physical impacts of high flows on streams (e.g., bank erosion, impairment of aquatic habitat, etc.);
 - (c) Opportunities to offset the impact of impervious areas of the facility on ground water recharge and base flows in local streams, taking into account the potential for ground water contamination.

- (2) BMP Types to be Considered. The permittee must consider the following types of structural, nonstructural and other BMPs for implementation at the facility. The SWPPP shall describe how each BMP is, or will be, implemented. If this requirement was fulfilled with the area-specific BMPs identified under Part I.H.2.f(1), then the previous description is sufficient. However, many of the following BMPs may be more generalized or non-site-specific and therefore not previously considered. If the permittee determines that any of these BMPs are not appropriate for the facility, an explanation of why they are not appropriate shall be included in the plan. The BMP examples listed below are not intended to be an exclusive list of BMPs that may be used. The permittee is encouraged to keep abreast of new BMPs or new applications of existing BMPs to find the most cost effective means of permit compliance for the facility. If BMPs are being used or planned at the facility that are not listed here (e.g., replacing a chemical with a less toxic alternative, adopting a new or innovative BMP, etc.), descriptions of them shall be included in this section of the SWPPP.
 - (a) Nonstructural BMPs.
 - (i) Good Housekeeping. The permittee must keep all exposed areas of the facility in a clean, orderly manner where such exposed areas could contribute pollutants to storm water discharges. Common problem areas include around trash containers, storage areas and loading docks. Measures must also include a schedule for regular pickup and disposal of garbage and waste materials; routine inspections for leaks and conditions of drums, tanks and containers.
 - (ii) Minimizing Exposure. Where practicable, industrial materials and activities should be protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, or runoff. Note: Eliminating exposure at all industrial areas may make the facility eligible for the "Conditional Exclusion for No Exposure" provision of 9 VAC 25-31-120 F, thereby eliminating the need to have a permit.
 - (iii) Preventive Maintenance. The permittee must have a preventive maintenance program that includes timely inspection and maintenance of storm water management devices (e.g., cleaning oil/water separators, catch basins), as well as inspection, testing, maintenance and repairing of facility equipment and systems to avoid breakdowns or failures that could result in discharges of pollutants to surface waters.
 - (iv) Spill Prevention and Response Procedures. The plan must describe the procedures that will be followed for cleaning up spills or leaks. The procedures and necessary spill response equipment must be made available to those employees who may cause or detect a spill or leak. Where appropriate, the plan must include an explanation of existing or planned material handling procedures, storage requirements, secondary containment, and equipment (e.g., diversion valves), that are intended to minimize spills or leaks at the facility. Measures for cleaning up hazardous material spills or leaks must be consistent with applicable RCRA regulations at 40 CFR Part 264 and 40 CFR Part 265.
 - (v) Routine Facility Inspections. Facility personnel who are familiar with the industrial activity, the BMPs and the storm water pollution prevention plan shall be identified to inspect all areas of the facility where industrial materials or activities are exposed to storm water. These inspections are in addition to, or as part of, the comprehensive site evaluation required under Part I.H.4, and must include an evaluation of the existing storm water BMPs. The inspection frequency shall be specified in the plan based upon a consideration of the level of industrial activity at the facility, but shall be a minimum of quarterly unless more frequent intervals are specified elsewhere in the permit. Any deficiencies in the implementation of the SWPPP that are found must be corrected as soon as practicable, but not later than within 14 days of the inspection, unless permission for a later date is granted in writing by the director. The results of the inspections must be documented in the SWPPP, along with any corrective actions that were taken in response to any deficiencies or opportunities for improvement that were identified.

(vi) Employee Training. The SWPPP must describe the storm water employee training program for the facility. The description should include the topics to be covered, such as spill response, good housekeeping, and material management practices, and must identify periodic dates for such training (e.g., every six months during the months of July and January). Employee training must be provided for all employees who work in areas where industrial materials or activities are exposed to storm water, and for employees who are responsible for implementing activities identified in the SWPPP (e.g., inspectors, maintenance people). The training should inform employees of the components and goals of the SWPPP.

(b) Structural BMPs.

- (i) Sediment and Erosion Control. The plan shall identify areas at the facility that, due to topography, land disturbance (e.g., construction), or other factors, have a potential for significant soil erosion. The plan must identify structural, vegetative, and/or stabilization BMPs that will be implemented to limit erosion.
- (ii) Management of Runoff. The plan shall describe the traditional storm water management practices (permanent structural BMPs other than those that control the generation or source(s) of pollutants) that currently exist or that are planned for the facility. These types of BMPs are typically used to divert, infiltrate, reuse, or otherwise reduce pollutants in storm water discharges from the site. The plan shall provide that all measures that the permittee determines to be reasonable and appropriate, or are required by a state or local authority shall be implemented and maintained. Factors for the permittee to consider when selecting appropriate BMPs should include:
 - (A) The industrial materials and activities that are exposed to storm water, and the associated pollutant potential of those materials and activities; and
 - (B) The beneficial and potential detrimental effects on surface water quality, ground water quality, receiving water base flow (dry weather stream flow), and physical integrity of receiving waters.
 - Structural measures should be placed on upland soils, avoiding wetlands and floodplains, if possible. Structural BMPs may require a separate permit under § 404 of the CWA before installation begins.
- (iii) Example BMPs. BMPs that could be used include but are not limited to: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff on-site; and sequential systems (which combine several practices).
- (iv) Other Controls. Off-site vehicle tracking of raw, final, or waste materials or sediments, and the generation of dust must be minimized. Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas must be minimized. Velocity dissipation devices (or equivalent measures) must be placed at discharge locations and along the length of any outfall channel if they are necessary to provide a non-erosive flow velocity from the structure to a water course.

3. Maintenance

All BMPs identified in the SWPPP must be maintained in effective operating condition. If site inspections required by Part I.H.4 identify BMPs that are not operating effectively, maintenance must be performed before the next anticipated storm event, or as necessary to maintain the continued effectiveness of storm water controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable. In the case of nonstructural BMPs, the effectiveness of the BMP must be maintained by appropriate means (e.g., spill response supplies available and personnel trained, etc.).

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4. Comprehensive Site Compliance Evaluation

The permittee shall conduct facility inspections (site compliance evaluations) at least once a year. The inspections must be done by qualified personnel who may be either facility employees or outside constituents hired by the facility. The inspectors must be familiar with the industrial activity, the BMPs and the SWPPP, and must possess the skills to assess conditions at the facility that could impact storm water quality, and to assess the effectiveness of the BMPs that have been chosen to control the quality of the storm water discharges. If more frequent inspections are conducted, the SWPPP must specify the frequency of inspections.

- a. Scope of the Compliance Evaluation. Inspections must include all areas where industrial materials or activities are exposed to storm water, as identified in Part I.H.2.c, and areas where spills and leaks have occurred within the past three years. Inspectors should look for:
 - (1) Industrial materials, residue or trash on the ground that could contaminate or be washed away in storm water;
 - (2) Leaks or spills from industrial equipment, drums, barrels, tanks or similar containers;
 - (3) Off-site tracking of industrial materials or sediment where vehicles enter or exit the site;
 - (4) Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas; and
 - (5) Evidence of, or the potential for, pollutants entering the drainage system.

Results of both visual and any analytical monitoring done during the year must be taken into consideration during the evaluation. Storm water BMPs identified in the SWPPP must be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they must be inspected to see whether BMPs are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations must be inspected if possible.

- b. Based on the results of the inspection, the SWPPP shall be modified as necessary (e.g., show additional controls on the map required by Part I.H.2.b.(3); revise the description of controls required by Part I.H.2.f to include additional or modified BMPs designed to correct problems identified). Revisions to the SWPPP shall be completed within two weeks following the inspection, unless permission for a later date is granted in writing by the director. If existing BMPs need to be modified or if additional BMPs are necessary, implementation must be completed before the next anticipated storm event, if practicable, but not more than 12 weeks after completion of the comprehensive site evaluation, unless permission for a later date is granted in writing by the director;
- c. Compliance Evaluation Report. A report summarizing the scope of the inspection, name(s) of personnel making the inspection, the date(s) of the inspection, and major observations relating to the implementation of the SWPPP, and actions taken in accordance with Part I.H.4.b shall be made and retained as part of the SWPPP for at least three years from the date of the inspection. Major observations should include: the location(s) of discharges of pollutants from the site; location(s) of BMPs that need to be maintained; location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location; and location(s) where additional BMPs are needed that did not exist at the time of inspection. The report shall identify any incidents of noncompliance. Where a report does not identify any incidents of noncompliance, the report shall contain a certification that the facility is in compliance with the SWPPP and this permit. The report shall be signed in accordance with Part II.K.
- d. Where compliance evaluation schedules overlap with routine inspections required under Part I.H.2.f.(2)(a)(v), the annual compliance evaluation may be used as one of the routine inspections.

5. Signature and Plan Review

- a. Signature/Location. The plan shall be signed in accordance with Part II.K, and retained on-site at the facility covered by this permit in accordance with Part II.B.2.
- b. Availability. The permittee shall make the SWPPP, annual site compliance inspection report, and other information available to the department upon request.
- c. Required Modifications. The director may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this permit. The notification shall identify those provisions of the permit that are not being met, as well as the required modifications. The permittee shall make the required changes to the SWPPP within 60 days of receipt of such notification, unless permission for a later date is granted in writing by the director, and shall submit a written certification to the director that the requested changes have been made.

6. Maintaining an Updated SWPPP

The permittee shall amend the SWPPP whenever:

- a. There is a change in design, construction, operation, or maintenance at the facility that has a significant effect on the discharge, or the potential for the discharge, of pollutants from the facility;
- b. During inspections, monitoring, or investigations by facility personnel or by local, state, or federal officials it is determined that the SWPPP is ineffective in eliminating or significantly minimizing pollutants from sources identified under Part I.H.2.c, or is otherwise not achieving the general objectives of controlling pollutants in discharges from the facility.

7. Special Pollution Prevention Plan Requirements

- a. Additional Requirements for Storm Water Discharges Associated With Industrial Activity That Discharge Into or Through Municipal Separate Storm Sewer Systems.
 - (1) In addition to the applicable requirements of this permit, facilities covered by this permit must comply with applicable requirements in municipal storm water management programs developed under NPDES permits issued for the discharge of the municipal separate storm sewer system that receives the facility's discharge, provided the permittee has been notified of such conditions.
 - (2) Permittees that discharge storm water associated with industrial activity through a municipal separate storm sewer system shall make plans available to the municipal operator of the system upon request.
- b. Additional Requirements for Storm Water Discharges Associated With Industrial Activity From Facilities Subject to EPCRA § 313 Reporting Requirements.

Any potential pollutant sources for which the facility has reporting requirements under EPCRA § 313 must be identified in the SWPPP in Part I.H.2.c (Summary of Potential Pollutant Sources). Note: this additional requirement is only applicable if the facility is subject to reporting requirements under EPCRA § 313.

I. SECTOR-SPECIFIC STORM WATER POLLUTION PREVENTION PLAN REQUIREMENTS – TEXTILE MILLS

In addition to the requirements of Part I.G. and Part I.H., the SWPPP shall include, at a minimum, the following items:

1. Site Description

Summary of Potential Pollutant Sources. The plan shall include a description of the potential pollutant sources from the following activities: industry-specific significant materials and industrial activities (e.g., backwinding, beaming, bleaching, backing, bonding carbonizing, carding, cut and sew operations, desizing, drawing, dyeing, flocking, fulling, knitting, mercerizing, opening, packing, plying, scouring, slashing, spinning, synthetic-felt processing, textile waste processing, tufting, turning, weaving, web forming, winging, yarn spinning, and yarn texturing).

2. Storm Water Controls

- a. Good Housekeeping Measures.
 - (1) Material Storage Areas. All containerized materials (e.g., fuels, petroleum products, solvents, dyes, etc.) shall be clearly labeled and stored in a protected area, away from drains. The permittee shall describe and implement measures that prevent or minimize contamination of storm water runoff from such storage areas, and must include a description of the containment area or enclosure for those materials that are stored outdoors. The permittee may consider an inventory control plan to prevent excessive purchasing of potentially hazardous substances. The permittee shall ensure that empty chemical drums/containers are clean (triple-rinsing shall be considered) and residuals are not subject to contact with precipitation/runoff. Washwater from these cleanings shall be collected and disposed of properly.
 - (2) Material Handling Area. The permittee shall describe and implement measures that prevent or minimize contamination of the storm water runoff from materials handling operations and areas. The permittee shall consider the following measures (or their equivalents): use of spill/overflow protection; covering fueling areas; and covering and enclosing areas where the transfer of materials may occur. Where applicable, the plan shall address the replacement or repair of leaking connections, valves, transfer lines and pipes that may carry chemicals, dyes, or wastewater.
 - (3) Fueling Areas. The permittee shall describe and implement measures that prevent or minimize contamination of the storm water runoff from fueling areas. The permittee shall consider the following measures (or their equivalents): covering the fueling area; using spill and overflow protection; minimizing run-on of storm water to the fueling areas; using dry cleanup methods; and treating and/or recycling storm water runoff collected from the fueling area.
 - (4) Aboveground Storage Tank Areas. The permittee shall describe and implement measures that prevent or minimize contamination of the storm water runoff from aboveground storage tank areas, including the associated piping and valves. The permittee shall consider the following measures (or their equivalents): regular cleanup of these areas; preparation of a spill prevention control and countermeasure program (SPCC) to provide spill and overflow protection; minimizing run-on of storm water from adjacent areas; restricting access to the area; insertion of filters in adjacent catch basins; absorbent booms in un-bermed fueling areas; use of dry cleanup methods; and permanently sealing drains within critical areas that may discharge to a storm drain.
- b. Routine Facility Inspections. Inspections shall be conducted at least monthly, and shall include the following activities and areas (at a minimum): transfer and transmission lines; spill prevention; good housekeeping practices; management of process waste products; all structural and nonstructural management practices.

- c. Employee Training. Employee training shall, at a minimum address, the following areas when applicable to a facility: use of reused/recycled waters; solvents management; proper disposal of dyes; proper disposal of petroleum products and spent lubricants; spill prevention and control; fueling procedures; and general good housekeeping practices.
- d. Comprehensive Site Compliance Evaluation. Regularly scheduled evaluations shall be conducted at least once a year and address those areas contributing to a storm water discharge associated with industrial activity. Inspections shall look for evidence of, or the potential for, pollutants entering the drainage system from the following areas, as appropriate: storage tank areas; waste disposal and storage areas; dumpsters and open containers stored outside; materials storage areas; engine maintenance and repair areas; material handling areas and loading dock areas.

J. SECTOR-SPECIFIC STORM WATER POLLUTION PREVENTION PLAN REQUIREMENTS – COAL PILE RUNOFF

In addition to the requirements of Part I.G., Part I.H., and Part I.I., the SWPPP shall include, at a minimum, the following items:

1. Site Description

Site Map. The site map shall identify the locations of any of the following activities or sources that may be exposed to precipitation/surface runoff: storage tanks, scrap yards, general refuse areas; short and long term storage of general materials (including, but not limited to: supplies, construction materials, plant equipment, oils, fuels, used and unused solvents, cleaning materials, paint, water treatment chemicals, fertilizer, and pesticides); landfills; construction sites; and stock pile areas (such as coal or limestone piles).

2. Storm Water Controls

- a. Good Housekeeping Measures.
 - (1) Fugitive Dust Emissions. The permittee shall describe and implement measures that prevent or minimize fugitive dust emissions from coal handling areas. The permittee shall consider establishing procedures to minimize off-site tracking of coal dust such as installing specially designed tires, or washing vehicles in a designated area before they leave the site, and controlling the wash water.
 - (2) Delivery Vehicles. The plan shall describe measures that prevent or minimize contamination of storm water runoff from delivery vehicles arriving on the plant site. At a minimum the permittee shall consider the following:
 - (a) Develop procedures for the inspection of delivery vehicles arriving on the plant site, and ensure overall integrity of the body or container; and
 - (b) Develop procedures to deal with leakage/spillage from vehicles or containers.
 - (3) Fuel Oil Unloading Areas. The plan shall describe measures that prevent or minimize contamination of precipitation/surface runoff from fuel oil unloading areas. At a minimum the permittee shall consider using the following measures, or an equivalent:
 - (a) Use of containment curbs in unloading areas;
 - (b) During deliveries, having station personnel familiar with spill prevention and response procedures present to ensure that any leaks/spills are immediately contained and cleaned up; and
 - (c) Use of spill and overflow protection (e.g., drip pans, drip diapers, and/or other containment devices placed beneath fuel oil connectors to contain potential spillage during deliveries or from leaks at the connectors).
 - (4) Chemical Loading/Unloading Areas. The permittee shall describe and implement measures that prevent or minimize the contamination of precipitation/surface runoff from chemical loading/unloading areas. At a minimum the permittee shall consider using the following measures (or their equivalents):

- (a) Use of containment curbs at chemical loading/unloading areas to contain spills;
- (b) During deliveries, having station personnel familiar with spill prevention and response procedures present to ensure that leaks/spills are immediately contained and cleaned up; and
- (c) Covering chemical loading/unloading areas, and storing chemicals indoors.
- (5) Miscellaneous Loading/Unloading Areas. The permittee shall describe and implement measures that prevent or minimize the contamination of storm water runoff from loading and unloading areas. The permittee shall consider the following, at a minimum (or their equivalents):
 - (a) covering the loading area;
 - (b) grading, berming, or curbing around the loading area to divert run-on; or
 - (c) locating the loading/unloading equipment and vehicles so that leaks are contained in existing containment and flow diversion systems.
- (6) Liquid Storage Tanks. The permittee shall describe and implement measures that prevent or minimize contamination of storm water runoff from aboveground liquid storage tanks. At a minimum the permittee shall consider employing the following measures (or their equivalents):
 - (a) Use of protective guards around tanks;
 - (b) Use of containment curbs;
 - (c) Use of spill and overflow protection; and
 - (d) Use of dry cleanup methods.
- (7) Large Bulk Fuel Storage Tanks. The permittee shall describe and implement measures that prevent or minimize contamination of storm water runoff from large bulk fuel storage tanks. At a minimum the permittee shall consider employing containment berms (or its equivalent). The permittee shall also comply with applicable state and federal laws, including Spill Prevention Control and Countermeasures (SPCC).
- (8) Spill Reduction Measures. The permittee shall describe and implement measures to reduce the potential for an oil/chemical spill, or reference the appropriate section of their SPCC plan. At a minimum the structural integrity of all aboveground tanks, pipelines, pumps and other related equipment shall be visually inspected on a weekly basis. All repairs deemed necessary based on the findings of the inspections shall be completed immediately to reduce the incidence of spills and leaks occurring from such faulty equipment.
- (9) Oil bearing Equipment in Switchyards. The permittee shall describe and implement measures to prevent or minimize contamination of surface runoff from oil bearing equipment in switchyard areas. The permittee shall consider the use of level grades and gravel surfaces to retard flows and limit the spread of spills, and the collection of storm water runoff in perimeter ditches.
- (10)Residue Hauling Vehicles. All residue hauling vehicles shall be inspected for proper covering over the load, adequate gate sealing and overall integrity of the container body. Vehicles without load coverings or adequate gate sealing, or with leaking containers or beds shall be repaired as soon as practicable.
- (11)Ash Loading Areas. The permittee shall describe and implement procedures to reduce or control the tracking of ash/residue from ash loading areas where practicable, clear the ash building floor and immediately adjacent roadways of spillage, debris and excess water before departure of each loaded vehicle.
- (12)Areas Adjacent to Disposal Ponds or Landfills. The permittee shall describe and implement measures that prevent or minimize contamination of storm water runoff from areas adjacent to disposal ponds or landfills. The permittee shall develop procedures to:
 - (a) Reduce ash residue which may be tracked on to access roads traveled by residue trucks or residue handling vehicles; and
 - (b) Reduce ash residue on exit roads leading into and out of residue handling areas.
- (13)Landfills, Scrapyards, Surface Impoundments, Open Dumps, General Refuse Sites. The plan shall address and include appropriate BMPs for landfills, scrapyards, surface impoundments, open dumps and general refuse sites.
- (14) Vehicle Maintenance Activities. For vehicle maintenance activities performed on the plant site, the permittee shall use the applicable BMPs outlined in Sector P (Land Transportation and Warehousing).

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- (15)Material Storage Areas. The permittee shall describe and implement measures that prevent or minimize contamination of storm water runoff from material storage areas (including areas used for temporary storage of miscellaneous products, and construction materials stored in lay-down areas). The permittee shall consider the use of the following measures (or their equivalents): flat yard grades; runoff collection in graded swales or ditches; erosion protection measures at steep outfall sites (e.g., concrete chutes, riprap, stilling basins); covering lay-down areas; storing materials indoors; and covering materials temporarily with polyethylene, polyurethane, polypropylene, or hypalon. Storm water run-on may be minimized by constructing an enclosure or building a berm around the area.
- b. Comprehensive Site Compliance Evaluation. As part of the evaluation, qualified facility personnel shall inspect the following areas on a monthly basis: coal handling areas, loading/unloading areas, switchyards, fueling areas, bulk storage areas, ash handling areas, areas adjacent to disposal ponds and landfills, maintenance areas, liquid storage tanks, and long term and short term material storage areas.

FACILITY NAME: Mohawk Industries, Inc.

ADDRESS:

404 Anderson Street Glasgow, VA 24555

Permit No. VA0004677 Attachment A

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DEPARTMENT OF ENVIRONMENTAL QUALITY WATER QUALITY MONITORING

OUTFALL NO. 001

CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
		PESTICIE	DES/PCBS			
72-54-8	DDD	608	0.1		G or C	1/5 YR
333-41-5	Diazinon	(3)	(4)		G or C	1/5 YR
		CID EXTRA	CTABLES (5	5)		
104-40-51	Nonylphenol	(3)	(4)		G or C	1/5 YR

Name of Principal Exec. Officer or Authorized Agent/Title

Signature of Principal Officer or Authorized Agent/Date

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 U.S.C. Sec. 1001 and 33 U.S.C. Sec. 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

FACILITY NAME: Mohawk Industries, Inc. ADDRESS: 404 Anderson Street

Glasgow, VA 24555

Permit No. VA0004677 Attachment A Footnotes

Footnotes to Water Quality Monitoring Attachment A

Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration (1) is in accordance with the procedures published for the required method.

The quantification levels indicated for the metals are actually Specific Target Values developed for this permit. The Specific Target Value is the approximate value that may initiate a wasteload allocation analysis. Target values are not wasteload allocations or effluent limitations. The Specific Target Values are subject to change based on additional information such as hardness data, receiving stream flow, and design flows.

Units for the quantification level are micrograms/liter unless otherwise specified.

Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained.

(2)Sample Type

G = Grab = An individual sample collected in less than 15 minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and report the average results provided that the individual grab results are also reported. For grab metals samples, the individual samples shall be filtered and preserved immediately upon collection.

C = Composite = A 24-hour composite unless otherwise specified. The composite shall be a combination of individual samples, taken proportional to flow, obtained at hourly or smaller time intervals. The individual samples may be of equal volume for flows that do not vary by +/- 10 percent over a 24-hour period.

- (3) Any approved method presented in 40 CFR Part 136.
- The QL is at the discretion of the permittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the (4) approved methods in 40 CFR Part 136.
- (5) Testing for phenols requires continuous extraction.

CONDITIONS APPLICABLE TO ALL VPDES PERMITS

A. Monitoring

- 1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.
- 2. Monitoring shall be conducted according to procedures approved under Title 40 Code of Federal Regulations Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this permit.
- 3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will insure accuracy of measurements.

B. Records

- 1. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individual(s) who performed the sampling or measurements;
 - c. The date(s) and time(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
- 2. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the Board.

C. Reporting Monitoring Results

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting schedule is specified elsewhere in this permit. Monitoring results shall be submitted to:

Department of Environmental Quality Valley Regional Office P.O. Box 3000 Harrisonburg, Virginia 22801

- 2. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) or on forms provided, approved or specified by the Department.
- 3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under Title 40 of the Code of Federal Regulations Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or reporting form specified by the Department.
- 4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

D. Duty to Provide Information

The permittee shall furnish to the Department, within a reasonable time, any information which the Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The Board may require the permittee to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from his discharge on the quality of State waters, or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the Department upon request, copies of records required to be kept by this permit.

E. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. <u>Unauthorized Discharges</u>

Except in compliance with this permit, or another permit issued by the Board, it shall be unlawful for any person to:

- 1. Discharge into State waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or
- 2. Otherwise alter the physical, chemical or biological properties of such State waters and make them detrimental to the public health, or to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, or for recreation, or for other uses.

G. Reports of Unauthorized Discharges

Any permittee who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance into or upon State waters in violation of Part II.F.; or who discharges or causes or allows a discharge that may reasonably be expected to enter State waters in violation of Part II.F., shall notify the Department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the Department, within five days of discovery of the discharge. The written report shall contain:

- 1. A description of the nature and location of the discharge;
- 2. The cause of the discharge;
- 3. The date on which the discharge occurred;
- 4. The length of time that the discharge continued;
- 5. The volume of the discharge;
- 6. If the discharge is continuing, how long it is expected to continue;
- 7. If the discharge is continuing, what the expected total volume of the discharge will be; and
- 8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the Department under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of Unusual or Extraordinary Discharges

If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter State waters, the permittee shall promptly notify, in no case later than 24 hours, the Department by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse affects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to the Department within five days of discovery of the discharge in accordance with Part II.I.2. Unusual and extraordinary discharges include but are not limited to any discharge resulting from:

- 1. Unusual spillage of materials resulting directly or indirectly from processing operations;
- 2. Breakdown of processing or accessory equipment;
- 3. Failure or taking out of service some or all of the treatment works; and
- 4. Flooding or other acts of nature.

I. Reports of Noncompliance

The permittee shall report any noncompliance which may adversely affect State waters or may endanger public health.

- 1. An oral report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which shall be reported within 24 hours under this paragraph:
 - a. Any unanticipated bypass; and
 - b. Any upset which causes a discharge to surface waters.
- 2. A written report shall be submitted within 5 days and shall contain:
 - a. A description of the noncompliance and its cause;
 - b. The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
 - c. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

The Board may waive the written report on a case-by-case basis for reports of noncompliance under Part II.I. if the oral report has been received within 24 hours and no adverse impact on State waters has been reported.

3. The permittee shall report all instances of noncompliance not reported under Parts II.I.1. or 2., in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part II.I.2.

NOTE: The immediate (within 24 hours) reports required in Parts II.G, H, and I may be made to the Department's Valley Regional Office at (540) 574-7800 (voice) or (540) 574-7878 (fax). For reports outside normal working hours, leave a message and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Services maintains a 24-hour telephone service at 1-800-468-8892.

J. Notice of Planned Changes

- 1. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
 - a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:
 - (1) After promulgation of standards of performance under Section 306 of the Clean Water Act which are applicable to such source; or
 - (2) After proposal of standards of performance in accordance with Section 306 of the Clean Water Act which are applicable to such source, but only if the standards are promulgated in accordance with Section 306 within 120 days of their proposal;
 - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or
 - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- 2. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

K. Signatory Requirements

- 1. Applications. All permit applications shall be signed as follows:
 - a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
 - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - c. For a municipality, State, Federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

- 2. Reports, etc. All reports required by permits, and other information requested by the Board shall be signed by a person described in Part II.K.1., or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described in Part II.K.1.;
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
 - c. The written authorization is submitted to the Department.
- 3. Changes to authorization. If an authorization under Part II.K.2. is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part II.K.2. shall be submitted to the Department prior to or together with any reports, or information to be signed by an authorized representative.
- 4. Certification. Any person signing a document under Parts II.K.1. or 2. shall make the following certification: "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to Comply

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if this permit has not yet been modified to incorporate the requirement.

M. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit. All permittees with a currently effective permit shall submit a new application at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Board. The Board shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

N. Effect of a Permit

This permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, or any infringement of Federal, State or local law or regulations.

Permit No. VA0004677 Part II Page 6 of 8

O. State Law

Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other State law or regulation or under authority preserved by Section 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part II.U.), and "upset" (Part II.V.) nothing in this permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

P. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Sections 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

Q. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

R. Disposal of Solids or Sludges

Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering State waters.

S. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. Bypass

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Parts II.U.2. and U.3.

2. Notice

- a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible at least ten days before the date of the bypass.
- b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II.I.

3. Prohibition of bypass

- a. Bypass is prohibited, and the Board may take enforcement action against a permittee for bypass, unless:
 - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required under Part II.U.2.
- b. The Board may approve an anticipated bypass, after considering its adverse effects, if the Board determines that it will meet the three conditions listed above in Part II.U.3.a.

V. Upset

- 1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part II.V.2. are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.
- 2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An upset occurred and that the permittee can identify the cause(s) of the upset;
 - b. The permitted facility was at the time being properly operated;
 - c. The permittee submitted notice of the upset as required in Part II.I.; and
 - d. The permittee complied with any remedial measures required under Part II.S.
- 3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

- 1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- 3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- 4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, any substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

Permit No. VA0004677 Part II Page 8 of 8

X. Permit Actions

Permits may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of Permits

- 1. Permits are not transferable to any person except after notice to the Department. Except as provided in Part II.Y.2, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made, to identify the new permittee and incorporate such other requirements as may be necessary under the State Water Control Law and the Clean Water Act.
- 2. As an alternative to transfers under Part II.Y.1., this permit may be automatically transferred to a new permittee if:
 - a. The current permittee notifies the Department at least 30 days in advance of the proposed transfer of the title to the facility or property;
 - b. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
 - c. The Board does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part II.Y.2.b.

Z. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected there

COMMONWEALTH OF VIRGINIA - DEPARTMENT OF ENVIRONMENTAL QUALITY GENERAL PERMIT FOR TOTAL NITROGEN AND TOTAL PHOSPHORUS DISCHARGES AND NUTRIENT TRADING IN THE CHESAPEAKE BAY WATERSHED IN VIRGINIA DISCHARGE MONITORING REPORT (DMR)

٧A NAME Mohawk Industries Inc ADDRESS 404 Anderson St Glasgow

24555

OUTFALL NUMBER PERMIT NUMBER VAN040067

MONITORING PERIOD

500

Department of Environmental Quality Valley Regional Office 4411 Early Road P.O. Box 3000 Harrisonburg VA 22801

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FROM

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NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

FACILITY LOCATION 404 Anderson St

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02/23/2012

COMMONWEALTH OF VIRGINIA - DEPARTMENT OF ENVIRONMENTAL QUALITY

GENERAL PERMIT FOR TOTAL NITROGEN AND TOTAL PHOSPHORUS DISCHARGES AND NUTRIENT TRADING IN THE CHEŠAPEAKE BAY WATERSHED IN VIRGINIA
DISCHARGE MONITORING REPORT (DMR)

٧A NAME Mohawk Industries Inc ADDRESS 404 Anderson St Glasgow

500 VAN040067

artment of Environmental Quality ey Regional Office I Early Road Box 3000 isonburg VA 22801

EAD PERMIT AND GENERAL INSTRUCTIONS BFORE COMPLETING THIS FORM.

FACILITY LOCATION 404 Anderson St

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02/23/2012

COMMONWEALTH OF VIRGINIA - DEPARTMENT OF ENVIRONMENTAL QUALITY

GENERAL PERMIT FOR TOTAL NITROGEN AND TOTAL PHOSPHORUS DISCHARGES AND NUTRIENT TRADING IN THE CHESAPEAKE BAY WATERSHED IN VIRGINIA DISCHARGE MONITORING REPORT (DMR)

NAME Mohawk Industries Inc ADDRESS 404 Anderson St Glasgow

24555 ٧A

OUTFALL NUMBER 200 MONITORING PERIOD PERMIT NUMBER VAN040067

Department of Environmental Quality Valley Regional Office 4411 Early Road P.O. Box 3000 Harrisonburg VA 22801

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FROM

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NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

FACILITY LOCATION 404 Anderson St

PARAMETER		/nð	QUANTITY OR LOADING	DING		QUALITY OR CONCENTRATION	NCENTRATION		CN	FRECTIENCY	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX.	OF ANALYSIS	
792 NITROGEN, TOTAL (AS N)	REPORTED	*****		LB/YR	****	****	*****				
(CALENDAR YEAK)	PERMIT REQUIREMENT	****	30,456		****	******	****			I/YR	CALC
794 PHOSPHORUS, TOTAL (AS P)	REPORTED	*****		LB/YR	****	*****	*****			norma	
(CALENDAK YEAK)	PERMIT REQUIREMENT	****	12,182		*****	*****	****			I/YR	CALC

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS:

BYPASSES AND	TOTAL OCCURRENCES TOTAL FLOW (M.G.)	TOTAL FLOW (M.G.)	TOTAL BOD5 (K.G.))	OPERATOR IN RESPONSIBLE CHARGE		marked according to	DATE	
OVERFLOWS									
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This report is required by your VPDES permit and by law. (See, e.g., the Code of Virginia of 1950 §62.1-44.5 and 9 VAC 25-31-50.) Failure to report truthfully can result in civil penalties of \$32,500 per violation, per day and felony prosecutions which can carry a 15

DISCHARGE MONITORING REPORT (DMR) - GENERAL INSTRUCTIONS

- Complete this form in permanent ink or indelible pencil. The use 'correction fluid/tape' is not allowed.
- Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period". ä
- For those parameters where the "permit requirement" spaces have a requirement or limitation, provide data in the "reported" spaces in accordance with your permit. က
- Enter the average and, if appropriate, maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading" See 9VAC 25-820-70.I.E-F for instructions. 4
- Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration". Ŕ
- Include any Maximum 7-Day Average and Maximum Weekly Average violations in this field. Permittees with continuous pH, or temperature monitoring For all parameters enter the number of samples which do not comply with the maximum and/or minimum permit requirements in the "reported" space in the column marked "No. Ex." (Number of Exceedances). If none, enter "0". Do NOT include monthly average violations in this field. requirements should consult the permit for what constitutes an exceedance and report accordingly. ဖ
- You are required to sample (at a minimum) according to the Sample Frequencies and Sample Types specified in your permit. 7
- Enter the actual frequency of analysis for each parameter (number of times per day, week, month, etc.) in the "reported" space in the column marked "Frequency of Analysis" œ.
- Enter the actual type of sample (Grab, 8HC, 24HC, etc) collected for each parameter in the "reported" space in the column marked "Sample Type". 6
- Enter additional required data or comments in the space marked "additional permit requirements or comments". If additional required data or comments are appended to the DMR, reference appended correspondence in this field 5.
- Record the number of bypasses during the month, the total flow in million gallons (MG) and BOD5 in kilograms (KG) in the proper columns in the section marked "Bypasses and Overflows". 7
- The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator or if the operator in responsible charge of the facility is a licensed operator, the operator's signature and certificate number must be reported in the spaces provided. 4
- can be The principal executive officer then reviews the form and must sign in the space provided and provide a telephone number where he/she reached. Every page of the DMR must have an original signature. 13
- Send the completed form(s) with original signatures to your Department of Environmental Quality Regional Office by the 10th of each month unless otherwise specified in the permit. 4.
- 15. You are required to retain a copy of the report for your records.
- Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements decribing causes and corrective actions taken. Reference each seperate violation by date. 16.
- If you have any questions, contact the Department of Environmental Quality Regional Office listed on the DMR. 17.

9 VAC 25-820-70 Registration List – 2/21/2012 Page 1 of 12

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAS) AND DELIVERED ALLOCATIONS (DAS)

			James Riv	ver Basin -	James River Basin – Total Nitrogen					TTO Vancolonia
	Individual	General Permit	General Permit	Desian	Discharged TN Wasteload	Z	Delivered TN Wasteload	i.		Changes to WOMP
Facility	VPDES Permit No.	Registration No.	Outfall No.	Flow (MGD)	Allocation (lbs/yr)	Delivery Factor	Allocation (lbs/yr)	Effective Date	Basis for Limits	Allocations (see footnotes)
			ddn	Upper/Middle James	James					
Buena Vista STP	VA0020991	VAN040063	200	2.25	41,115	0:30	12,335	1/1/2012	4	
Buena Vista STP	VA0020991	VAN040063	200	3.00	41,115	0:30	12,335	(2)	∢	
Buena Vista STP	VA0020991	VAN040063	500	3.60	41,115	0.30	12,335	(2)	А	
Covington STP	VA0025542	VAN040065	500	3.00	54,820	0.30	16,446	1/1/2012	¥	nakiri kiron ta k
GP Big Island LLC	VA0003026	VAN040066	500	10.87	122,489	0.30	36,747	1/1/2012	A	AMOUNT IN
Mohawk Industries, Inc.	VA0004677	VAN040067	500	2.00	30,456	0.30	9,137	1/1/2012	Ą	
Lexington-Rockbridge Regional WQCF	VA0088161	VAN040068	200	3.00	54,820	0:30	16,446	1/1/2012	٨	TO ATTUCK MANDE AND THE
Lexington-Rockbridge Regional WQCF	VA0088161	VAN040068	500	00.9	54,820	0:30	16,446	(5)	Ą	More and Management
Alleghany County Aggregate	1 1	VAN040069	200	1	i	1	21,928	1/1/2012		erandri dalam kalanda
Low Moor WWTP	VA0027979	1	501	0.50	9,137	0:30		1	∢	ensined and enterior
Lower Jackson River WWTP	VA0090671	1	502	2.60	63,957	0:30		3	Ą	(9)
MeadWestvaco	VA0003646	VAN040070	500	35.00	394,400	0:30	118,320	1/1/2012	¥	
Amherst-Rutledge Creek WWTP	VA0031321	VAN040071	500	09.0	10,964	0.61	6,688	1/1/2012	A	
Babcock & Wilcox	VA0003697	VAN040072	500	1.00	187,000	0.61	114,070	1/1/2012	A	
Greif Inc.	VA0006408	VAN040073	500	6.50	73,246	0.61	44,680	1/1/2012	∢	
Lake Monticello STP	VA0024945	VAN040074	500	0.995	18,182	0.61	11,091	1/1/2012	4	
Lynchburg STP (1)	VA0024970	VAN040075	500	22.00	536,019	0.61	326,971	1/1/2012	A	autr af lithe an autr af
RWSA-Moores Creek Regional STP	VA0025518	VAN040076	200	15.00	274,100	0.61	167,201	1/1/2012	A	all thinks of the con-
Powhatan Correctional Center STP	VA0020699	VAN040077	500	0.47	8,588	0.80	6,871	1/1/2012	¥	
Crewe WWTP	VA0020303	VAN040100	500	0.50	9,137	0.38	3,472	1/1/2012	A	adical and proper to
Farmville WWTP	VA0083135	VAN040097	500	2.40	43,856	0.38	16,665	1/1/2012	۷	
Richmond WWTP (1)	VA0063177	VAN040085	500	45.00	1,096,402	1.00	1,096,402	1/1/2012	Ą	
E. I. DuPont-Spruance	VA0004669	VAN040079	500	23.33	201,080	1.00	201,080	1/1/2012	A	P. M. 100 (100 (100 (100 (100 (100 (100 (100
Chesterfield County Aggregate	:	VAN040080	200	1 1	:	<i>t</i>	564,952	1/1/2012		
Falling Creek WWTP	VA0024996	1	501	10.10	153,801	1.00	153,801	1	∢	
Proctors Creek WWTP	VA0060194	1	502	27.00	411,151	1.00	411,151	\$ 6	A	Mary and resolution gard

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Dominion-Chesterfield (2)	VA0004146	VAN040086	500	l I	352,036	1.00	352,036	1/1/2012	٧	
Henrico Co. WWTP	VA0063690	VAN040081	500	75.00	1,142,085	1.00	1,142,085	1/1/2012	A	eren blem og etter
The Sustainability Park LLC (001)	VA0002780	VAN040078	500	2.10	25,583	1.00	25,583	1/1/2012	A	
Philip Morris USA-Park 500	VA0026557	VAN040084	500	2.90	139,724	1.00	139,724	1/1/2012	٨	***************************************
Honeywell-Hopewell	VA0005291	VAN040082	500	121.00	1,090,798	1.00	1,090,798	1/1/2012	Α	
Hopewell RWTF	VA0066630	VAN040083	500	50.00	1,827,336	1.00	1,827,336	1/1/2012	Α	
So. Central Wastewater Authority WWTF	VA0025437	VAN040087	500	23.00	350,239	1.00	350,239	1/1/2012	Α.	
Tyson Foods-Glen Allen	VA0004031	VAN040089	500	1.07	19,552	1.00	19,552	1/1/2012	Α	
Wintergreen Stoney Creek STP	VA0074047	VAN040103	500	0.12	3,417	0.61	2,084	(5)	В	
Dillwyn STP	VA0027294	VAN040104	500	0.20	5,695	0.61	3,474	(5)	В	Sauth Park Co.
Palmyra Area WWTP	VA0091146	VAN040106	200	0.10	0	0.61	0	(5)	ပ	***************
Palmyra Area WWTP	VA0091146	VAN040106	500	0.15	0	0.61	0	(5)	ပ	
Fluvanna County High School STP	VA0030767	VAN040126	500	0.05	1,424	0.61	898	(5)	В	
Craigsville WRF	VA0091821	VAN040118	500	0.44	4,020	0:30	1,206	(5)	D	Processor - Mary and a second
Deer Park STP	VA0091341	VAN040132	200	0.045	0	0.61	0	(2)	၁	mara-diradir-association
Deer Park STP	VA0091341	VAN040132	500	0.09	0	0.61	0	(5)	ပ	consens and the
Amelia Courthouse Sanitary District Aggregate		VAN040105	200				6,492	(5)	8	Activities to the control of the con
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	0.999	0	0.38	0	;	O	
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	2.0	0	0.38	0	; f	ပ	
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	3.0	0	0.38	0	;	O	Make Front Strate
Amelia CH Sanitary District Nibbs Crk	VA0086681		502	0:30	17,085	0.38	6,492	1	В	
Keswick STP	VA0085979	VAN040141	500	0.099	3,417	0.61	2,084	(4)	æ	
Fincastle WWTP	VA0060364	VAN040140	500	0.1875	7,119	0:30	2,136	(4)	Ф	
Upper/Middle James Subtotal					8,779,881		7,759,146			ANNER MICHAEL

(C) The state of t					Discharged		Delivered			
		General	General		Z	Z	Z			Changes to
	Individual	Permit	Permit	Design	Wasteload	Deliver	Wasteload	Limit		WOMP
, 4511.00 E	VPDES	Registration	Outfall	Flow	Allocation	> '	Allocation	Effective	Basis for	Allocations
raciiity	Permit No.	No.	No.	(MGD)	(lbs/yr)	Factor	(lbs/yr)	Date	Limits	(see footnotes)
				Lower James	nes					
HRSD James River Aggregate (3)(4)	i i	VAN040090	200	:	!	:	6,000,000	1/1/2012		THE ABOVE STRAINS AND A
Boat Harbor STP	VA0081256	i i	501	25.00	740,000	1.00	740,000	1	∢	No ANTONO SALANT
James River STP	VA0081272	1	205	20.00	1,250,000	1.00	1,250,000	\$ \$	∢	Photosphila Symme
Williamsburg STP	VA0081302	:	503	22.50	800,000	1.00	800,000	:	∢	an er andersons de
Nansemond STP	VA0081299	1	504	30.00	750,000	1.00	750,000	r I	∢ ′	The way of The action of the state of the st
Army Base STP	VA0081230	t F	505	18.00	610,000	1.00	610,000	ŧ	∢	National Physics and Associated Association and Association an
Virginia Initiative STP	VA0081281	1	909	40.00	750,000	1.00	750,000	3 1	∢	A-100 (10 to 10 to
Chesapeake-Elizabeth STP	VA0081264		507	24.00	1,100,000	1.00	1,100,000	1	4	a Province
J.H. Miles & Co.(3)	VA0003263	VAN040091	500	0.35	153,500	1.00	153,500	1/1/2012	۷	
Lawnes Point WWTP (3)	VA0091952	VAN040117	200	0.05	0	1.00	0	1/1/2012	O	
Lower James River Subtotal					6,153,500		6,153,500			77 (0.00)
James River Basin Total					14,143,381		13,912,646			ala alamana mil

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations) A = WQMP regulation (9 VAC 25-720)

B = Permitted design capacity. C = New facility, loading limit of zero. D = Title 62.1-44.19:15 of the Code of Virginia

- (1) Wasteload allocations for localities served by combined sewers are based on dry weather design flow capacity. Reported discharge loads for the Lynchburg STP shall include the loads associated with the first 45 MGD of flow on each day. Reported discharge loads for the Richmond WWTP shall include the loads associated with the first 45 MGD of flow on each day.
- (2) Wasteload allocations are "net" loads, based on the portion of the nutrient discharge introduced by the facility's process waste streams, and not originating in raw water intake.
- (3) James River Trading Restriction Lower James River facilities are noted by this footnote. In order to protect upstream water quality, facilities in the upper and middle James River shall not obtain the noted lower James River facilities. This restriction shall not restrict lower James River facilities from obtaining wasteload allocations or compliance credits from upstream facilities.
- (4) Hampton Roads Sanitation District TN Wasteload Allocation based on an aggregate figure of 6.0 million pounds per year for HRSD James River facilities.
- (5) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (6) Lower Jackson Regional WWYP wasteload allocations reflect the consolidation of the former Clifton Forge STP wasteload allocations in accordance with the Town of Clifton forge, Town of Iron Gate, and Alleghany County Wastewater Treatment Agreement dated September 18, 2007.

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LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAS) AND DELIVERED ALLOCATIONS (DAS)

The state of the s			James Rive	er Basin –	James River Basin - Total Phosphorus	SI				
	Individual	General Permit	General	Design	Discharged TP Wasteload	d	Delivered TP Wasteload	Limit		Changes to WQMP
Facility	VPDES Permit No.	Registration No.	Outfall No.	Flow (MGD)	Allocation (lbs/yr)	Delivery Factor	Allocation (lbs/yr)	Effective Date	Basis for Limits	Allocations (see footnotes)
			ddΩ	Upper/Middle James	James					
Buena Vista STP	VA0020991	VAN040063	200	2.25	3,426	1.00	3,426	1/1/2012	¥	
Buena Vista STP	VA0020991	VAN040063	200	3.00	3,426	1.00	3,426	(4)	∢	du attendes that a state of the
Buena Vista STP	VA0020991	VAN040063	500	3.60	3,426	1.00	3,426	(4)	A	
Covington STP	VA0025542	VAN040065	500	3.00	4,568	1.00	4,568	1/1/2012	٧	O Autor Letter, its
GP Big Island LLC	VA0003026	VAN040066	500	10.87	49,658	1.00	49,658	1/1/2012	Ą	nerginal community (
Mohawk Industries, Inc.	VA0004677	VAN040067	500	2.00	12,182	1.00	12,182	1/1/2012	А	marananosoari
Lexington-Rockbridge Regional WQCF	VA0088161	VAN040068	200	3.00	4,568	1.00	4,568	1/1/2012	Α	Satisfied Labracian
Lexington-Rockbridge Regional WQCF	VA0088161	VAN040068	500	6.00	4,568	1.00	4,568	(4)	4	TO ATTRIBUTE VIOLENCE
Alleghany County Aggregate	1 2	VAN040069	200	;	!	1	6,091	1/1/2012		a humanan a suna
Low Moor WWTP	VA0027979	1	501	0.50	761	1.00	761	;	∢	ar tota ad sono orano.
Lower Jackson River WWTP	VA0090671		502	2.60	5,330	1.00	5,330	- 1	A	(9)
MeadWestvaco	VA0003646	VAN040070	500	35.00	159,892	1.00	159,892	1/1/2012	٧	
Amherst-Rutledge Creek WWTP	VA0031321	VAN040071	500	09.0	914	1.00	914	1/1/2012	Ą	Ad-Strong visit angelon
Babcock & Wilcox	VA0003697	VAN040072	500	1.00	1,523	1.00	1,523	1/1/2012	A	
Greif Inc.	VA0006408	VAN040073	500	6.50	29,694	1.00	29,694	1/1/2012	A	we retro as a now a
Lake Monticello STP	VA0024945	VAN040074	500	0.995	1,515	1.00	1,515	1/1/2012	Ą	#ALMONOMOTO OF
Lynchburg STP (1)	VA0024970	VAN040075	200	22.00	33,501	1.00	33,501	1/1/2012	A	THE PROPERTY AND A STREET
RWSA-Moores Creek Regional STP	VA0025518	VAN040076	200	15.00	22,842	1.00	22,842	1/1/2012	٧	200000000000000000000000000000000000000
Powhatan Correctional Center STP	VA0020699	VAN040077	200	0.47	716	1.00	716	1/1/2012	۷	of Arrivan Materials
Crewe WW/TP	VA0020303	VAN040100	200	0.50	761	0.43	327	1/1/2012	4	a Mining and Apparent
Farmville WWTP	VA0083135	VAN040097	500	2.40	3,655	0.43	1,572	1/1/2012	A	.00 VA ADAR WITH
Richmond WWTP (1)	VA0063177	VAN040085	500	45.00	68,525	1.00	68,525	1/1/2012	٧	
E. I. DuPont-Spruance	VA0004669	VAN040079	500	23.33	7,816	1.00	7,816	1/1/2012	Ą	er alkalalain e faar e e
Chesterfield County Aggregate	1	VAN040080	200	t t	t t	1	56,495	1/1/2012		Mary of the set of the
Falling Creek WWTP	VA0024996	,	501	10.10	15,380	1.00	15,380	1	∢	- The Production of Artis
Proctors Creek WWTP	VA0060194	1	502	27.00	41,115	1.00	41,115	ž į	¥	No. 74 and Principles

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Dominion-Chesterfield (2)	VA0004146	VAN040086	200	5	210	1.00	210	1/1/2012	٨	THE PROPERTY OF THE PARTY OF TH
Henrico Co. WWTP	VA0063690	VAN040081	500	75.00	114,209	1.00	114,209	1/1/2012	Α	
The Sustainability Park LLC (001)	VA0002780	VAN040078	500	2.10	1,919	1.00	1,919	1/1/2012	٨	
Philip Morris USA-Park 500	VA0026557	VAN040084	500	2.90	2,650	1.00	2,650	1/1/2012	А	Manage and the second state of
Honeywell-Hopewell	VA0005291	VAN040082	500	121.00	51,592	1.00	51,592	1/1/2012	A	
Hopewell RWTF	VA0066630	VAN040083	500	50.00	76,139	1.00	76,139	1/1/2012	А	
So. Central Wastewater Authority WMTF	VA0025437	VAN040087	500	23.00	35,024	1.00	35,024	1/1/2012	A	1.0 P. S.
Tyson Foods-Glen Allen	VA0004031	VAN040089	500	1.07	409	1.00	409	1/1/2012	A	na en sanaciona
Wintergreen Stoney Creek STP	VA0074047	VAN040103	500	0.12	457	1.00	457	(4)	8	
Dillwyn STP	VA0027294	VAN040104	500	0.20	761	1.00	761	(4)	В	- Landers are a second
Palmyra Area WWTP	VA0091146	VAN040106	200	0.10	0	1.00	0	(4)	၁	
Palmyra Area WWTP	VA0091146	VAN040106	500	0.15	0	1.00	0	(4)	ပ	November and add page
Fluvanna County High School STP	VA0030767	VAN040126	500	0.05	190	1.00	190	(4)	В	
Craigsville WRF	VA0091821	VAN040118	500	0.44	402	1.00	402	(4)	Q	
Deer Park STP	VA0091341	VAN040132	200	0.045	0	1.00	0	(2)	U	
Deer Park STP	VA0091341	VAN040132	500	0.09	0	1.00	0	(2)	ပ	
Amelia Courthouse Sanitary District Aggregate		VAN040105	200				982	(4)	Ω	ALON NOT A AND A AND A AND AND A
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	0.999	0	0.43	0	:	U	
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	2.0	0	0.43	0	ŧ I	U	
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	3.0	0	0.43	0	1	O	
Amelia CH Sanitary District - Nibbs Crk	VA0086681		502	0.30	2,284	0.43	982	į,	æ	
Keswick STP	VA0085979	VAN040141	500	0.099	457	1.00	457	(4)	В	
Fincastle WWTP	VA0060364	VAN040140	500	0.1875	952	1.00	952	(4)	æ	and a special mass
Upper/Middle James Subtotal					754,711		750,892			

		General	General		Discharged		Delivered			4 200000
	Individual VPDES	Permit Registration	Permit Outfall	Design Flow	Wasteload	TP Delivery	Wasteload	Limit Effective	Basis for	WQMP WQMP Allocations
Facility	Permit No.	No.	No.	(MGD)	(lbs/yr)	Factor	(lbs/yr)	Date	Limits	(see footnotes)
The state of the s				Lower James	ıes					
HRSD James River Aggregate (3)	ŧ	VAN040090	200	1	\$:	373,247	1/1/2012	4	(5)
Boat Harbor STP	VA0081256	1	501	25.00	53,239	1.00	53,239	i t	A	
James River STP	VA0081272	1	502	20.00	42,591	1.00	42,591	î	4	
Williamsburg STP	VA0081302	1	503	22.50	47,915	1.00	47,915	2	٨	
Nansemond STP	VA0081299	1	504	30.00	63,887	1.00	63,887	;	4	
Army Base STP	VA0081230		505	18.00	38,332	1.00	38,332	î î	٨	1000 A 100 A
Virginia Initiative STP	VA0081281	:	506	40.00	85,183	1.00	85,183	4 3	4	nadovenia W serven
Chesapeake-Elizabeth STP	VA0081264	1	507	24.00	51,110	1.00	51,110	1	4	
J.H. Miles & Co.(3)	VA0003263	VAN040091	200	0.35	21,500	1.00	21,500	1/1/2012	٧	permit Wheelfto, et
Lawnes Point WWTP (3)	VA0091952	VAN040117	500	0.05	0	1.00	0	1/1/2012	U	
G. Robert House, Jr. WTP (3)	VA0076473	VAN040127	500	:	12,739	1.00	12,739	1/1/2012	8	(5)
Lower James River Subtotal					407,486		407,486			a description of
James River Basin Total					1,162,197		1.158.378			

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

A = WQMP regulation (9 VAC 25-720)
B = Permitted design capacity.
C = New facility, loading limit of zero.
D = Title 62.1-44.19:15 of the Code of Virginia

Footnotes

- (1) Wasteload allocations for localities served by combined sewers are based on dry weather design flow capacity. Reported discharge loads for the loads associated with the first 22 MGD of flow on each day. Reported discharge loads for the Richmond WWTP shall include the loads associated with the first 45 MGD of flow on each day.
 - (2) Wasteload allocations are "net" loads, based on the portion of the nutrient discharge introduced by the facility's process waste streams, and not originating in raw water intake.
- James River Trading Restriction Lower James River facilities are noted by this footnote. In order to protect upstream water quality, facilities in the upper and middle James River shall not obtain or compliance credits from the noted lower James River facilities. This restriction shall not restrict lower James River facilities or compliance credits from the noted lower James River facilities. This restriction shall not restrict lower James River facilities or compliance credits from upstream facilities. ල
- For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above. 4
- G. Robert House, Jr. WTP Total Phosphorus wasteload allocation of 12,739 lbs/yr based on a permitted design capacity of 3,728 lbs/yr plus 9,011 lbs/yr of Total Phosphorus allocation provided by HRSDfor calendar years 2009 through 2015 (see Chesapeake Bay Nutrient Offset Agreement dated July 3, 2008). Unless the agreement is extended, 9,011 lbs/yr of the G. Robert House WTP TP wasteload allocation reverts back to HRSD on January 1, 2016. 9
 - (6) Lower Jackson Regional WWTP wasteload allocations reflect the consolidation of the former Clifton Forge STP wasteload allocations in accordance with the Town of Clifton forge, Town of Iron Gate, and Alleghany County Wastewater Treatment Agreement dated September 18, 2007.

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LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAS) AND DELIVERED ALLOCATIONS (DAS)

			James Riv	/er Basin -	James River Basin – Total Nitrogen					***************************************
	Individual		General	Design	Discharged TN Wasteload	Z	Delivered TN Wasteload	Limit		Changes to WQMP
Facility	VPDES Permit No.	Registration No.	Outfall No.	Flow (MGD)	Allocation (lbs/yr)	Delivery Factor	Allocation (lbs/yr)	Effective Date	Basis for Limits	Allocations (see footnotes)
			Upp	Upper/Middle	James					
Buena Vista STP	VA0020991	VAN040063	500	2.25	41,115	0.56	23,024	1/1/2016	A	et alamate in a same
Buena Vista STP	VA0020991	VAN040063	200	3.00	41,115	0.56	23,024	(5)	∢	namama hamama ada
Buena Vista STP	VA0020991	VAN040063	200	3.60	41,115	0.56	23,024	(2)	Α	nonco i susmocioni su
Covington STP	VA0025542	VAN040065	500	3.00	54,820	0.21	11,512	1/1/2016	A	energia (di di d
GP Big Island LLC	VA0003026	VAN040066	500	10.87	122,489	09:0	73,493	1/1/2016	Α	- Anna Laboratoria de
Mohawk Industries, Inc.	VA0004677	VAN040067	500	2.00	30,456	0.59	17,969	1/1/2016	A	Manual Made and
Lexington-Rockbridge Regional WQCF	VA0088161	VAN040068	200	3.00	54,820	0.32	17,542	1/1/2016	A	
Lexington-Rockbridge Regional WQCF	VA0088161	VAN040068	500	00.9	54,820	0.32	17,542	(2)	∢	ton market state.
Alleghany County Aggregate	1	VAN040069	200	;	!	1	19,005	1/1/2016		
Low Moor WW/TP	VA0027979	1	501	0.50	9,137	0.26	2,376	1 ,	∢	
Lower Jackson River WWTP	VA0090671	-	502	2.60	63,957	0.26	16,629		4	(9)
MeadWestvaco	VA0003646	VAN040070	500	35.00	394,400	0.11	43,384	1/1/2016	A	www.gr.auth.historium
Amherst-Rutledge Creek WWTP	VA0031321	VAN040071	200	0.60	10,964	0.34	3,728	1/1/2016	4	antendet soon anderset
Babcock & Wilcox	VA0003697	VAN040072	500	1.00	187,000	0.65	121,550	1/1/2016	4	
Greif Inc.	VA0006408	VAN040073	500	6.50	73,246	0.65	47,610	1/1/2016	¥	and the second second
Lake Monticello STP	VA0024945	VAN040074	200	0.995	18,182	0.67	12,182	1/1/2016	¥	a Alabania terminakan sarah
Lynchburg STP (1)	VA0024970	VAN040075	500	22.00	536,019	0.65	348,412	1/1/2016	∢	Alaki at Ribina ka ka sereya
RWSA-Moores Creek Regional STP	VA0025518	VAN040076	500	15.00	274,100	0.67	183,647	1/1/2016	∢	Addition Miles and Addition
Powhatan Correctional Center STP	VA0020699	VAN040077	500	0.47	8,588	0.89	7,643	1/1/2016	<	sam acamount
Crewe WW/TP	VA0020303	VAN040100	500	0.50	9,137	0.29	2,650	1/1/2016	∀	Tadhaa oo saabaa da
Farmville WWTP	VA0083135	VAN040097	200	2.40	43,856	0.26	11,403	1/1/2016	4	ena do Arrent
Richmond WWTP (1)	VA0063177	VAN040085	200	45.00	1,096,402	1.00	1,096,402	1/1/2016	4	members and
E. I. DuPont-Spruance	VA0004669	VAN040079	200	23.33	201,080	1.00	201,080	1/1/2016	4	annadas e rass ara
Chesterfield County Aggregate	ž E	VAN040080	200	1	1	3 E	564,952	1/1/2016		and an analysis of the control of th
Falling Creek WWTP	VA0024996	1	501	10.10	153,801	1.00	153,801	;	∢	a.m.a.enov.usuvenov
Proctors Creek WWTP	VA0060194		502	27.00	411,151	1.00	411,151		Ą	MATTA ATT AND A

Facility	Individual VPDES Permit No	General Permit Registration	General Permit Outfall	Design Flow	Discharged TN Wasteload Allocation	TN Delivery	Delivered TN Wasteload Allocation	Limit Effective	Basis for	Changes to WQMP Allocations
Dominion-Chesterfield (2)	VA0004146	VAN040086	500	(GOIM)	352,036	1.00	352.036	1/1/2016	LIMITS A	(see roornores)
Henrico Co. WWTP	VA0063690	VAN040081	500	75.00	1,142,085	1.00	1,142,085	1/1/2016	A	
The Sustainability Park LLC (001)	VA0002780	VAN040078	500	2.10	25,583	1.00	25,583	1/1/2016	Ą	
Philip Morris USA-Park 500	VA0026557	VAN040084	500	2.90	139,724	1.00	139,724	1/1/2016	4	
Honeywell-Hopewell	VA0005291	VAN040082	500	121.00	1,090,798	1.00	1,090,798	1/1/2016	A	and the state of t
Hopewell RWTF	VA0066630	VAN040083	500	50.00	1,827,336	1.00	1,827,336	1/1/2016	Ą	
So. Central Wastewater Authority WWTF	VA0025437	VAN040087	500	23.00	350,239	1.00	350,239	1/1/2016	٨	
Tyson Foods-Glen Allen	VA0004031	VAN040089	500	1.07	19,552	0.16	3,128	1/1/2016	A	
Wintergreen Stoney Creek STP	VA0074047	VAN040103	500	0.12	3,417	0.74	2,529	(2)	В	
Dillwyn STP	VA0027294	VAN040104	500	0.20	5,695	0.69	3,930	(5)	æ	
Palmyra Area WWTP	VA0091146	VAN040106	200	0.10	0	0.81	0	(2)	U	and succession of a
Palmyra Area WWTP	VA0091146	VAN040106	200	0.15	0	0.81	0	(2)	င	
Fluvanna County High School STP	VA0030767	VAN040126	500	0.05	1,424	0.81	1,153	(5)	В	Terrando Antonio
Craigsville WRF	VA0091821	VAN040118	500	0.44	4,020	0.21	844	(2)	٥	Challed St. Andrews
Deer Park STP	VA0091341	VAN040132	200	0.045	0	0.81	0	(2)	ပ	
Deer Park STP	VA0091341	VAN040132	200	0.09	0	0.81	0	(2)	ပ	
Amelia Courthouse Sanitary District Aggregate		VAN040105	200				8,372	(5)	8	
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	0.999	0	0.61	0	i	O	Econ addid V V
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	2.0	0	0.61	0	į	O	
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	3.0	0	0.61	0	;	U	
Amelia CH Sanitary District - Nibbs Crk	VA0086681	100000000000000000000000000000000000000	502	0.30	17,085	0.49	8,372	1	മ	
Keswick STP	VA0085979	VAN040141	500	0.099	3,417	29.0	2,289	(4)	m	
Fincastle WWTP	VA0060364	VAN040140	500	0.1875	7,119	0.34	2,420	(4)	В	
Upper/Middle James Subtotal					8,779,881		7,757,227			

		General	General		Discharged TN		Delivered			Chapmae to
-	Individual	Permit	Permit	Design	Wasteload	Ł	Wasteload	Limit		WOMP
Facility	VPDES Permit No.	Registration No.	Outfall No.	Flow (MGD)	Allocation (lbs/yr)	Delivery Factor	Allocation (lbs/yr)	Effective Date	Basis for Limits	Allocations (see footnotes)
				Lower James	1es					
HRSD James River Aggregate (3)(4)	I I	VAN040090	200		1	1	4,400,000	1/1/2017		
Boat Harbor STP	VA0081256	j I	501	25.00	612,813	1.00	612,813	ı	٨	
James River STP	VA0081272	i i	502	20.00	490,251	1.00	490,251	i i	A	
Williamsburg STP	VA0081302	1	503	22.50	551,532	1.00	551,532	i i	A	
Nansemond STP	VA0081299	s t	504	30.00	735,376	1.00	735,376	i	4	
Army Base STP	VA0081230	1	505	18.00	441,226	1.00	441,226	1	∢	
Virginia Initiative STP	VA0081281	! !	506	40.00	980,501	1.00	980,501	1	4	
Chesapeake-Elizabeth STP	VA0081264	: :	507	24.00	588,301	1.00	588,301	1	∢	
J.H. Miles & Co.(3)	VA0003263	VAN040091	200	0.35	153,500	1.00	153,500	1/1/2016	∢	San Transition (Transition)
Lawnes Point WWTP (3)	VA0091952	VAN040117	500	0.05	0	1.00	0	1/1/2016	U	1000 to 100 to 1
Lower James River Subtotal					4,553,500		4,553,500			0.00.0000000000000000000000000000000000
James River Basin Total					13,333,381		12,306,431			ann ann an a

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

A = WQMP regulation (9 VAC 25-720)
B = Permitted design capacity.
C = New facility, loading limit of zero.
D = Title 62.1-44.19:15 of the Code of Virginia

- (1) Wasteload allocations for localities served by combined sewers are based on dry weather design flow capacity. Reported discharge loads for the Lynchburg STP shall include the loads associated with the first 22 MGD of flow on each day. Reported discharge loads for the Richmond WWTP shall include the loads associated with the first 45 MGD of flow on each day.
- (2) Wasteload allocations are "net" loads, based on the portion of the nutrient discharge introduced by the facility's process waste streams, and not originating in raw water intake.
- (3) James River Trading Restriction Lower James River facilities are noted by this footnote. In order to protect upstream water quality, facilities in the upper and middle James River shall not obtain wasteload allocations or compliance credits from the noted lower James River facilities. from upstream facilities.
- (4) Hampton Roads Sanitation District TN Wasteload Allocation based on an aggregate figure of 6.0 million pounds per year for HRSD James River facilities.
- (5) For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above.
- (6) Lower Jackson Regional WWTP wasteload allocations reflect the consolidation of the former Clifton Forge STP wasteload allocations in accordance with the Town of Clifton forge, Town of Iron Gate, and Alleghany County Wastewater Treatment Agreement dated September 18, 2007.

LISTING OF DISCHARGERS WITH WASTE LOAD ALLOCATIONS (WLAS) AND DELIVERED ALLOCATIONS (DAS)

			James River Basin	er Basin –	Total Phosphorus	sn				constitui de la
		General	General		Discharged TP		Delivered TP			Changes to
Facility	Individual VPDES Permit No.	Permit Registration No.	Permit Outfall No.	Design Flow (MGD)	Wasteload Allocation (lbs/vr)	TP Delivery Factor	Wasteload Allocation (lbs/vr)	Limit Effective Date	Basis for	WQMP Allocations
			1 1	Upper/Middle James	James		(1.6.2.)			(63000000000000000000000000000000000000
Buena Vista STP	VA0020991	VAN040063	200	2.25	3,426	0.66	2,261	1/1/2016	∢	
Buena Vista STP	VA0020991	VAN040063	200	3.00	3,426	99.0	2,261	(4)	∢	amortina etta sakeri
Buena Vista STP	VA0020991	VAN040063	500	3.60	3,426	99.0	2,261	(4)	Α	
Covington STP	VA0025542	VAN040065	500	3.00	4,568	99.0	3,015	1/1/2016	٧	arana maar
GP Big Island LLC	VA0003026	VAN040066	500	10.87	49,658	0.66	32,774	1/1/2016	A	anna dinama a m
Mohawk Industries, Inc.	VA0004677	VAN040067	500	2.00	12,182	0.66	8,040	1/1/2016	٧	7000 ha 77 770 da 200 ha 1
Lexington-Rockbridge Regional WQCF	VA0088161	VAN040068	200	3.00	4,568	99.0	3,015	1/1/2016	⋖	Therefore has a Vision Property
Lexington-Rockbridge Regional WQCF	VA0088161	VAN040068	500	6.00	4,568	0.66	3,015	(4)	∢	orac salabase
Alleghany County Aggregate	t I	VAN040069	200	1	1		4,020	1/1/2016		
Low Moor WW/TP	VA0027979	i I	501	0.50	761	99.0	502	3 8	۷	anta a sindaporta.
Lower Jackson River WWTP	VA0090671	1	502	2.60	5,330	99.0	3,518	g E	Ą	(9)
MeadWestvaco	VA0003646	VAN040070	500	35.00	159,892	0.66	105,529	1/1/2016	٧	VII 440-1007-0074
Amherst-Rutledge Creek WWTP	VA0031321	VAN040071	500	09:0	914	0.66	603	1/1/2016	A	
Babcock & Wilcox	VA0003697	VAN040072	500	1.00	1,523	0.66	1,005	1/1/2016	A	na amerika
Greif Inc.	VA0006408	VAN040073	200	6.50	29,694	0.66	19,598	1/1/2016	٧	70071 (100 A 100 A
Lake Monticello STP	VA0024945	VAN040074	500	0.995	1,515	0.66	1,000	1/1/2016	¥	nanosionios societas i
Lynchburg STP (1)	VA0024970	VAN040075	500	22.00	33,501	0.66	22,111	1/1/2016	Ą	
RWSA-Moores Creek Regional STP	VA0025518	VAN040076	500	15.00	22,842	99.0	15,076	1/1/2016	A	Work Marchael Printer
Powhatan Correctional Center STP	VA0020699	VAN040077	200	0.47	716	0.66	473	1/1/2016	∢	Shake bir Out 5447
Crewe WWTP	VA0020303	VAN040100	200	0.50	761	0.46	350	1/1/2016	٧	0.000 A 270 A 4.787
Farmville WWTP	VA0083135	VAN040097	200	2.40	3,655	0.46	1,681	1/1/2016	Α	**************************************
Richmond WWTP (1)	VA0063177	VAN040085	500	45.00	68,525	1.00	68,525	1/1/2016	A	Managara Malayana d
E. I. DuPont-Spruance	VA0004669	VAN040079	500	23.33	7,816	1.00	7,816	1/1/2016	A	
Chesterfield County Aggregate	t 1	VAN040080	200	!	1	į į	56,495	1/1/2016		the Philosophia and Philosophia and Philosophia
Falling Creek WWTP	VA0024996	ļ	501	10.10	15,380	1.00	15,380	1	∢	talett variable Telephonolis
Proctors Creek WW/TP	VA0060194		502	27.00	41,115	1.00	41,115	1	<	Territoria

Facility	Individual VPDES Permit No.	General Permit Registration No.	General Permit Outfall No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	Limit Effective Date	Basis for Limits	Changes to WQMP Allocations (see footnotes)
Dominion-Chesterfield (2)	VA0004146	VAN040086	500	1	210	1.00	210	1/1/2016	A	Towards on South 1
Henrico Co. WWTP	VA0063690	VAN040081	500	75.00	114,209	1.00	114,209	1/1/2016	∢	and the state of t
The Sustainability Park LLC (001)	VA0002780	VAN040078	500	2.10	1,919	1.00	1,919	1/1/2016	4	
Philip Morris USA-Park 500	VA0026557	VAN040084	500	2.90	2,650	1.00	2,650	1/1/2016	∢	Name of Provided
Honeywell-Hopewell	VA0005291	VAN040082	500	121.00	51,592	1.00	51,592	1/1/2016	∢	The second second
Hopewell RWTF	VA0066630	VAN040083	500	50.00	76,139	1.00	76,139	1/1/2016	∢	
So. Central Wastewater Authority WWTF	VA0025437	VAN040087	500	23.00	35,024	1.00	35,024	1/1/2016	∢	3.77.013.990.04.000
Tyson Foods-Glen Allen	VA0004031	VAN040089	500	1.07	409	0.46	188	1/1/2016	∢	e na Nichelana Mita
Wintergreen Stoney Creek STP	VA0074047	VAN040103	500	0.12	457	0.66	302	(4)	Ω.	
Dillwyn STP	VA0027294	VAN040104	200	0.20	761	0.66	502	(4)	m	AMERICAN A TOO
Palmyra Area WW/TP	VA0091146	VAN040106	200	0.10	0	99:0	0	(4)	O	
Palmyra Area WWTP	VA0091146	VAN040106	200	0.15	0	99.0	0	(4)	ပ	
Fluvanna County High School STP	VA0030767	VAN040126	500	0.05	190	99.0	125	(4)	8	
Craigsville WRF	VA0091821	VAN040118	200	0.44	402	0.66	265	(4)	۵	
Deer Park STP	VA0091341	VAN040132	200	0.045	0	99.0	0	(5)	U	
Deer Park STP	VA0091341	VAN040132	200	60.0	0	99.0	0	(2)	ပ	
Amelia Courthouse Sanitary District Aggregate		VAN040105	500				1,051	(4)	ω	
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	0.999	0	0.46	0		U	
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	2.0	0	0.46	0	ı	O	
Amelia CH Sanitary District- Smacks Crk	VA0091707		501	3.0	0	0.46	0	1	ပ	
Amelia CH Sanitary District - Nibbs Crk	VA0086681		502	0.30	2,284	0.46	1,051	1	В	VA PAPOUTATE NO
Keswick STP	VA0085979	VAN040141	500	0.099	457	99.0	302	(4)	В	e anto monte de la re
Fincastle WWTP	VA0060364	VAN040140	500	0.1875	952	99.0	628	(4)	В	
Upper/Middle James Subtotal					754,711		637,620			magantan dara la

		General	General		Discharged TP		Delivered			Changes to
7117	Individual VPDES	Permit Registration	Permit	Design Flow	Wasteload Allocation	TP Delivery	Wasteload Allocation	Limit Effective	Basis for	WQMP
Facility	Permit No.	No.	So.	(MGD)	(lbs/yr)	Factor	(lbs/yr)	Date	Limits	(see footnotes)
				Lower James	nes					
HRSD James River Aggregate (3)	1 1	VAN040090	200	;		!	373,247	1/1/2016	¥	(2)
Boat Harbor STP	VA0081256	!	501	25.00	53,239	1.00	53,239	:	∢	
James River STP	VA0081272	į	505	20.00	42,591	1.00	42,591	;	∢	Andrew Promise
Williamsburg STP	VA0081302	I 1	503	22.50	47,915	1.00	47,915	ı	∢	dd The Parket No. 19 Action and Parket
Nansemond STP	VA0081299	ľ	504	30.00	63,887	1.00	63,887	:	∢	
Army Base STP	VA0081230	ļ	505	18.00	38,332	1.00	38,332	;	∢	270.75.049130.41
Virginia Initiative STP	VA0081281	i i	206	40.00	85,183	1.00	85,183	, ,	∢	occord i materia
Chesapeake-Elizabeth STP	VA0081264	1	507	24.00	51,110	1.00	51,110	1	4	
J.H. Miles & Co.(3)	VA0003263	VAN040091	500	0.35	21,500	1.00	21,500	1/1/2016	A	North-Add County To Com-
Lawnes Point WWTP (3)	VA0091952	VAN040117	200	0.05	0	1.00	0	1/1/2016	၁	
G. Robert House, Jr. WTP (3)	VA0076473	VAN040127	500	;	12,739	1.00	12,739	1/1/2016	മ	(5)
Lower James River Subtotal					407,486		407,486			
James River Basin Total					1,162,197		1,045,106			and the Management of

Basis for Limits codes (these represent the original basis of the facility WLA and do not reflect trades, netting or bioavailability considerations)

A = WQMP regulation (9 VAC 25-720)
B = Permitted design capacity.
C = New facility, loading limit of zero.
D = Title 62.1-44.19:15 of the Code of

= Title 62.1-44.19:15 of the Code of Virginia

Footnotes

- (1) Wasteload allocations for localities served by combined sewers are based on dry weather design flow capacity. Reported discharge loads for the loads associated with the first 22 MGD of flow on each day. Reported discharge loads for the Richmond WWTP shall include the loads associated with the first 45 MGD of flow on each day.
- (2) Wasteload allocations are "net" loads, based on the portion of the nutrient discharge introduced by the facility's process waste streams, and not originating in raw water intake.
- James River Trading Restriction Lower James River facilities are noted by this footnote. In order to protect upstream water quality, facilities in the upper and middle James River shall not obtain wasteload allocations or compliance credits from the noted lower James River facilities. This restriction shall not restrict lower James River facilities from obtaining wasteload allocations or compliance credits from upstream facilities. 3
- For new facilities that have not previously discharged, the allocation is effective upon issuance of a Certificate to Operate. For expanding facilities, the allocation is effective as of January 1 of the calendar year immediately following the year in which a Certificate to Operate (or equivalent industrial activity) was issued at the design flow listed above. <u>4</u>
- G. Robert House, Jr. WTP Total Phosphorus wasteload allocation of 12,739 lbs/yr based on a permitted design capacity of 3,728 lbs/yr plus 9,011 lbs/yr of Total Phosphorus allocation provided by HRSDfor calendar years 2009 through 2015 (see Chesapeake Bay Nutrient Offset Agreement dated July 3, 2008). Unless the agreement is extended, 9,011 lbs/yr of the G. Robert House WTP TP wasteload allocation reverts back to HRSD on January 1, 2016. (2)
 - (6) Lower Jackson Regional WWTP wasteload allocations reflect the consolidation of the former Clifton Forge STP wasteload allocations in accordance with the Town of Clifton forge, Town of Iron Gate, and Alleghany County Wastewater Treatment Agreement dated September 18, 2007.